



No.16

2019

Curriculum Vitae

— Prof. Dr. Shuanggen Jin



Member of European Academy of Sciences
Member of Russian Academy of Natural Sciences
Member of EU Academy of Sciences
Fellow of International Association of Geodesy
Fellow of International Union of Geodesy and Geophysics
President of Asia Oceania Geosciences Society PS
Chair of IUGG Union Commission on Planetary Sciences
President of International Association of Planetary Sciences





Prof. Dr. Shuanggen Jin (EurASc/RANS/EUAS Academician & IUGG Fellow)

Fellow, International Union of Geodesy and Geophysics (IUGG) (2019-Now)
Member, European Academy of Sciences (2018-Now)
Member, Russian Academy of Natural Sciences (2017-Now)
Member, EU Academy of Sciences (2016-Now)
Fellow, International Association of Geodesy (IAG) (2011-Now)
Hundred-Talent Program, Chinese Academy of Sciences, China (2010-Now)
President, NUIST Federation of Returned Overseas Chinese, China (2018-Now)
President, Asia Oceania Geosciences Society (AOGS) Planetary Sciences (2018-2020)
Vice-Chair, COSPAR's Panel on Satellite Dynamics (2016-2020)
President, International Association of Chinese Professionals in GPS (CPGPS) (2016-2017)
Chair, IUGG Union Commission on Planetary Sciences (UCPS) (2015-2019)
Vice-President, IAG Commission 2 "Gravity Field" (2015-2019)
President, International Association of Planetary Sciences (IAPS) (2015-2019)
Chair, IAG Sub-Commission 4.6 "GNSS-Reflectometry & Applications" (2011-2015)
Editor-in-Chief, Journal of Environmental & Earth Sciences (2018-Now)
Editor-in-Chief, Journal of Nanjing University of Information Science & Technology (2018-Now)
Editorial Board Member, Remote Sensing (2017-Now)
Editorial Board Member, GPS Solutions (2016-Now)
Associate Editor, IEEE Transactions on Geoscience and Remote Sensing (2014-Now)
Associate Editor, Journal of Navigation (2014-Now)
Editorial Board Member, Planetary and Space Science (2014-Now)
Editorial Board Member, Journal of Geodynamics (2014-Now)
Associate Editor, Advances in Space Research (2013-2017)
Editor-in-Chief, International Journal of Geosciences (2010-Now)

Nanjing University of Information Science and Technology
Shanghai Astronomical Observatory, Chinese Academy of Sciences
219 Ningliu Road, Nanjing 210044, China
Tel: +86-25-58235371; Fax: +86-25-58699860
Email: sgjin@shao.ac.cn; sg.jin@yahoo.com
Website: <http://www.shao.ac.cn/geodesy>

OUTLINE

I. Biography.....	3
II. Curriculum Vitae.....	4
III. Awards & Honors.....	6
IV. Professional Services.....	7
V. Invited Talks & Keynotes.....	15
VI. Projects & Grants.....	19
VII. Teaching & Advising.....	21
VIII. Patents & Copyrights.....	25
IX. Publications.....	26
A) Books & Monographs.....	26
B) Peer-reviewed Journal Papers.....	26
C) Book Chapters & Edited Volumes.....	37
D) Conference Papers & Proceedings.....	39

I. BIOGRAPHY

Shuanggen Jin is Professor and Dean at Nanjing University of Information Science and Technology, and Professor at Shanghai Astronomical Observatory, CAS, China, members of European Academy of Sciences, member of Russian Academy of Natural Sciences and member of EU Academy of Sciences. He received the B.Sc degree in Geodesy from Wuhan University in 1999 and the Ph.D degree in Geodesy from University of Chinese Academy of Sciences in 2003. From 2004 to 2018, he has been a Visiting Fellow at University of New South Wales, Australia, Post-Doc and Senior Scientist at Korea Astronomy and Space Science Institute, Professor at Korea University of Science and Technology, Research Fellow at University of Texas at Austin, USA, Professor at Shanghai Astronomical Observatory, CAS, China and Professor at Bulent Ecevit University, Turkey. Meanwhile, he has been Adjunct Professor at China University of Mining and Technology, China University of Geosciences, Southeast University, and Tongji University, China, etc.

He has been on Satellite Navigation, Space Geodesy, Remote Sensing, Climate Change and Space/Planetary Exploration. He established a residual-based stochastic model with greatly improving GNSS accuracy; found a new method to estimate diurnal atmospheric tides by GNSS with overcoming the limitation of traditional techniques; established a high-precision ionospheric model with revealing the mechanism of ionospheric disturbances; proposed GNSS Remote Sensing direction with advancing the research and applications; revealed GNSS-R scattering mechanism with providing the foundation for its applications; proposed a new method to estimate the variable gravity field from GNSS with new applications in water cycle and climate change; found strong correlations between GNSS atmospheric disturbances and seismic activities with revealing the mechanism of lithosphere-atmospheric coupling; promoted planetary geodesy and remote sensing with obtaining new recognitions of the planet's surface and atmosphere, and so on. He has published over 400 papers in JGR, IEEE, EPSL, GJI, Icarus, JG etc. and 8 books/monographs with over 4500 citations and H-index>40 as well as 10 patents/software copyrights and over 100 invited talks. He has led over 20 projects from Europe's ESA, Australia's ARC, China-Germany (NSFC-DFG) and China's 973, NSFC and CAS. He teaches Geodesy and Geophysics at the undergraduate and graduate level and has supervised over 20 Ph.D and 25 M.Sc as well as 7 Post-Docs.

He has been President of Asia Oceania Geosciences Society (AOGS) Planetary Sciences (2018-2020), Vice-Chair of COSPAR's Panel on Satellite Dynamics (PSD) (2016-2020), President of International Association of CPGPS (2016-2017), President of International Association of Planetary Sciences (IAPS) (2015-2019), Chair of IUGG Union Commission on Planetary Sciences (UCPS) (2015-2019), Vice-President of International Association of Geodesy (IAG) Commission 2 (2015-2019), Editor-in-Chief of International Journal of Geosciences (2010-), Editor-in-Chief of Journal of Environmental & Earth Sciences (2018-Now), Associate Editor of IEEE Transactions on Geoscience and Remote Sensing (2014-), Associate Editor of Journal of Navigation (2014-), Associate Editor of Advances in Space Research (2013-2017), and Editorial Board Member of Remote Sensing (2017-), GPS Solutions (2016-), Journal of Geodynamics (2014-), Planetary and Space Science (2014-), etc., and General Chairs of international conferences. He has received Special Prize of Korea Astronomy and Space Science Institute (2006), Hundred-Talent Program of Chinese Academy of Sciences (2010), Fellow of International Association of Geodesy (IAG) (2011), Pujiang Talent Program of Shanghai (2011), Member of Russian Academy of Natural Sciences (RANS) (2017-), Jiangsu Distinguished Professor (2018), Member of European Academy of Sciences (2018-Now), Fellow of International Union of Geodesy and Geophysics (IUGG)(2019), Fu Chengyi Award of Chinese Geophysical Society (2012), Second Prize of Hubei Natural Science Award (2012), Second Prize of National Geomatics Science & Technology Progress Award (2013/2014), Distinguished Young Scientist Award of Scientific Chinese (2013), Liu Guangding Geophysical Youth Science & Technology Award (2013), Second Prize of Shanghai Science & Technology Progress Award (2014), First Prize of Satellite Navigation and Positioning Progress Award (2017) and First Prize of China Overseas Chinese Contribution Award (2018).

II. CURRICULUM VITAE

ADDRESS

Prof. Dr. Shuanggen Jin (Dean, EurASc/RANS/EUAS Academician)
 Nanjing University of Information Science and Technology
 Shanghai Astronomical Observatory, Chinese Academy of Sciences
 219 Ningliu Road, Nanjing 210044, China
 Tel: +86-25-58235371; Fax: +86-25-58699860
 Email: sgjin@nuist.edu.cn; sg.jin@yahoo.com
 Website: <http://www.shao.ac.cn/geodesy>



EDUCATION

- 1999-2003, Ph.D, Geodesy, University of Chinese Academy of Sciences, Beijing, China
- 1995-1999, B.Sc, Geodesy, Wuhan University, Wuhan, China

EMPLOYMENT

- 2018-Now, Professor & Dean, Nanjing University of Information Science and Technology, Nanjing, China
- 2014-2018, Professor, Department of Geomatics Engineering, Bulent Ecevit University, Zonguldak, Turkey
- 2010-2014, Professor, Shanghai Astronomical Observatory, Chinese Academy of Sciences, Shanghai, China
- 2009-2010, Research Fellow, Center for Space Research, University of Texas at Austin, Austin, USA
- 2005-2009, Post-Doc & Senior Scientist, Korea Astronomy and Space Science Institute, South Korea
- 2004-2005, Visiting Fellow, School of Surveying & SIS, University of New South Wales, Sydney, Australia

EXPERTISE AREAS

- **Satellite Navigation and Space Geodesy**
(Satellite Navigation, Space Geodesy, GNSS-Reflectometry & GNSS Atmosphere)
- **Remote Sensing and Climate Change**
(Remote Sensing, Satellite Gravimetry, Ocean/Hydrologic Cycle and Cryosphere)
- **Space/Planetary Exploration & Science**
(Space/Planetary Exploration, Atmo-/Ionosphere, Surface Process & Geodynamics)

RECOGNIZED ACTIVITIES

- 2019-Now, Fellow, International Union of Geodesy and Geophysics (IUGG)
- 2018-Now, Member, European Academy of Sciences
- 2018-Now, Editor-in-Chief, Journal of Environmental & Earth Sciences
- 2017-Now, Member, Russian Academy of Natural Sciences (RANS), Russia
- 2016-Now, Member, EU Academy of Sciences
- 2016-2017, President, International Association of Chinese Professionals in GPS (CPGPS)
- 2016-Now, Editorial Board Member, GPS Solutions
- 2015-2019, Chair, IUGG Union Commission on Planetary Sciences (UCPS)
- 2015-2019, President, International Association of Planetary Sciences (IAPS)
- 2014-Now, Associate Editor, IEEE Transactions on Geoscience and Remote Sensing
- 2014-Now, Associate Editor, Journal of Navigation
- 2014-Now, Editorial Board Member, Planetary and Space Science
- 2014-Now, Editorial Board Member, Journal of Geodynamics
- 2013-2017, Associate Editor, Advances in Space Research
- 2011-Now, Fellow, International Association of Geodesy (IAG)
- 2010-Now, Editor-in-Chief, International Journal of Geosciences

PUBLICATIONS (>400 papers with over 4500 citations and H-index>40)**Selected Books/Monographs**

- **Jin, S.G.**, R. Jin, and X. Liu (2019), GNSS Atmospheric Seismology: Theory, Observations and Modelling, Springer, Singapore, ISBN: 978-981-10-3176-2, 321pp.
- **Jin, S.G.**, E. Cardellach, and F. Xie (2014), GNSS Remote Sensing: Theory, Methods and Applications, Springer, Netherlands, ISBN: 978-94-007-7481-0, 276pp.

Selected Peer-reviewed Journal Papers

- **Jin, S.G.**, and K. Su (2019), Co-seismic displacement and waveforms of the 2018 Alaska earthquake from high-rate GPS PPP velocity estimation, *J. Geodesy*. (IF=4.633)
- **Jin, S.G.** (2018), Two-mode ionospheric disturbances following the 2005 Northern California offshore earthquake from GPS measurements, *J. Geophys. Res. Space Physics*, 123(10), 8587-8598. (IF=2.752)
- **Jin, S.G.**, A. Calabria, and L.L. Yuan (2018), Thermospheric variations from GNSS and accelerometer measurements on small satellites, *Proc. IEEE*, 106(3), 484-495, doi: 10.1109/JPROC.2018.2796084. (IF=9.107)
- **Jin, S.G.**, R. Jin, and D. Li (2017), GPS detection of ionospheric Rayleigh wave and its source following the 2012 Haida Gwaii earthquake, *J. Geophys. Res. Space Physics*, 122(1), 1360-1372. (IF=2.752)
- **Jin, S.G.**, X.D. Qian, and X. Wu (2017), Sea level change from BeiDou Navigation Satellite System-Reflectometry (BDS-R): First results and evaluation, *Global Planet. Change*, 149, 20-25. (IF=3.982)
- **Jin, S.G.**, T.Y. Zhang, and F. Zou (2017), Glacial density and GIA in Alaska estimated from ICESat, GPS and GRACE measurements, *J. Geophys. Res. Earth Surface*, 122(1), 76-90, doi: 10.1002/2016JF003926. (IF=3.337)
- **Jin, S.G.**, R. Jin, and H. Kutoglu (2017), Positive and negative ionospheric responses to the March 2015 geomagnetic storm from BDS observations, *J. Geodesy*, 91(6), 613-626. (IF=4.633)
- **Jin, S.G.**, and T.Y. Zhang (2016), Terrestrial water storage anomalies associated with drought in Southwestern USA derived from GPS observations, *Surv. Geophys.*, 37(6), 1139-1156. (IF=3.761)
- **Jin, S.G.**, X.D. Qian, and H. Kutoglu (2016), Snow depth variations estimated from GPS-Reflectometry: A case study in Alaska from L2P SNR data, *Remote Sens.*, 8(1), 63, doi: 10.3390/rs8010063. (IF=3.406)
- **Jin, S.G.**, G. Occhipinti, and R. Jin (2015), GNSS ionospheric seismology: Recent observation evidences and characteristics, *Earth-Sci. Rev.*, 147, 54-64, doi: 10.1016/j.earscirev.2015.05.003. (IF=7.491)
- **Jin, S.G.**, R. Jin, and J. Li (2014), Pattern and evolution of seismo-ionospheric disturbances following the 2011 Tohoku earthquakes from GPS observations, *J. Geophys. Res. Space Physics*, 119(9), 7914-7927. (IF=2.752)
- **Jin, S.G.**, T. van Dam, and S. Wdowinski (2013), Observing and understanding the Earth system variations from space geodesy, *J. Geodyn.*, 72, 1-10, doi: 10.1016/j.jog.2013.08.001. (IF=2.142)
- **Jin, S.G.**, L. Zhang, and B.D. Tapley (2011), The understanding of length-of-day variations from satellite gravity and laser ranging measurements, *Geophys. J. Int.*, 184(2), 651-660. (IF=2.528)
- **Jin, S.G.**, D. Chambers, and B. Tapley (2010), Hydrological and oceanic effects on polar motion from GRACE and models, *J. Geophys. Res.*, 115, B02403, doi: 10.1029/2009JB006635. (IF=3.482)
- **Jin, S.G.**, and O.F. Luo (2009), Variability and climatology of PWV from global 13-year GPS observations, *IEEE Trans. Geosci. Remote Sens.*, 47(7), 1918-1924, doi: 10.1109/TGRS.2008.2010401. (IF=4.662)
- **Jin, S.G.**, O. Luo, and S. Gleason (2009), Characterization of diurnal cycles in ZTD from a decade of global GPS observations, *J. Geodesy.*, 83(6), 537-545, doi: 10.1007/s00190-008-0264-3. (IF=4.633)
- **Jin, S.G.**, O.F. Luo, and P. Park (2008), GPS observations of the ionospheric F2-layer behavior during the 20th November 2003 geomagnetic storm over South Korea, *J. Geodesy.*, 82(12), 883-892. (IF=4.633)
- **Jin, S.G.**, J. Park, J. Cho, and P. Park (2007), Seasonal variability of GPS-derived Zenith Tropospheric Delay (1994-2006) and climate implications, *J. Geophys. Res.*, 112, D09110, doi: 10.1029/2006JD007772. (IF=3.380)
- **Jin, S.G.**, P.H. Park, and W.Y. Zhu (2007), Micro-plate tectonics and kinematics in Northeast Asia inferred from a dense set of GPS observations, *Earth Planet. Sci. Lett.*, 257(3-4), 486-496. (IF=4.581)

III. AWARDS & HONORS

- 01/2019, Fellow, International Union of Geodesy and Geophysics (IUGG)
- 09/2018, Jiangsu Excellent Returned Scholar, China
- 09/2018, Jiangsu Distinguished Professor, China
- 06/2018, Member, European Academy of Sciences
- 06/2018, First Prize, China Overseas Chinese Contribution Award, China
- 12/2017, Member, Russian Academy of Natural Sciences (RANS), Russia
- 09/2017, First Prize, Satellite Navigation and Positioning Progress Award, China
- 12/2016, Outstanding Achievement Award, Bulent Ecevit University, Turkey
- 12/2016, Outstanding Teaching Award, Bulent Ecevit University, Turkey
- 01/2016, Member, EU Academy of Sciences
- 06/2015, Excellence in Final Evaluation of CAS Hundred-Talent Program, China
- 12/2014, Second Prize, Shanghai Science & Technology Progress Award, China
- 12/2014, Xia Jianbai Entrepreneurship & Innovation Award of Geomatics, China
- 12/2014, Second Prize, Geomatics Science & Technology Progress Award, China
- 06/2014, Best Paper Award, Int. Workshop on Earth Observ. & Remote Sens. Appl., China
- 10/2013, Liu Guangding Geophysical Youth Science & Technology Award, China
- 10/2013, Second Prize, Geomatics Science & Technology Progress Award, China
- 06/2013, Distinguished Young Scientist Award, Scientific Chinese, China
- 12/2012, Second Prize, Hubei Natural Science Award, China
- 12/2012, Best Reviewer, Advances in Space Research (ASR)
- 10/2012, Fu Chengyi Award, Chinese Geophysical Society, China
- 08/2011, Pujiang Talent Program, Shanghai Science & Technology Commission, China
- 07/2011, Fellow, International Association of Geodesy (IAG)
- 12/2010, Hundred-Talent Program, Chinese Academy of Sciences, China
- 12/2006, Special Prize, Korea Astronomy & Space Science Institute, South Korea

IV. PROFESSIONAL SERVICES

Professional Leaders & Chairs

- 2019-Now, Vice-Chair, Location-Based Service Working Commission, CSSMG, China
- 2018-Now, President, NUIST Federation of Returned Overseas Chinese, Nanjing, China
- 2018-Now, President, NUIST Western Returned Scholars Association, Nanjing, China
- 2018-Now, Vice-Chair, Guangdong Satellite Navigation and LBS Union Committee, China
- 2018-2020, President, Asia Oceania Geosciences Society (AOGS) Planetary Sciences
- 2018-Now, Vice-Chair, Geodesy & Earthquake Dynamics Commission, China Seismological Society
- 2018-2018, Co-Chair, 1st Symposium on Asteroids Gravity and Interiors, Wuhan, China
- 2018-2018, Chair, International Workshop on GNSS Ionosphere (IWGI2018), Shanghai, China
- 2018-2018, Co-Chair, International Symposium on Geodesy and Geodynamics, Kunming, China
- 2017-2018, Vice-President, Asia Oceania Geosciences Society (AOGS) Planetary Sciences
- 2017-2017, Chair, 1st IUGG Symposium on Planetary Sciences (IUGG-PS2017), Berlin, Germany
- 2017-2017, Co-Chair, CPGPS Forum on Cooperative Positioning and Service, Harbin, China
- 2016-2020, Vice-Chair, COSPAR's Panel on Satellite Dynamics (PSD)
- 2016-2016, Chair, Int. Workshop on Satellite Observations & Geoscience Applications, Turkey
- 2016-2016, Chair, 1st International Conference on GNSS+ (ICG+2016), Shanghai, China
- 2016-2016, Chair, CSNC-CPGPS Panel, Changsha, China
- 2016-2017, President, International Association of Chinese Professionals in GPS (CPGPS)
- 2015-2019, Chair, IUGG Union Commission on Planetary Sciences (UCPS)
- 2015-2019, Vice-President, IAG Commission 2 "Gravity Field"
- 2015-2016, Chair, CPGPS President Election Committee
- 2015-2016, Vice-President, International Association of Chinese Professionals in GPS (CPGPS)
- 2015-2015, Co-Chair, 2nd IAPS Scientific Assembly (IAPS2015), Kazan, Russia
- 2015-2019, President, International Association of Planetary Sciences (IAPS)
- 2014-2017, Secretary, Asia Oceania Geosciences Society (AOGS) Planetary Sciences Section
- 2014-2014, Co-Chair, 3rd IGFS General Assembly (IGFS2014), Shanghai, China
- 2014-2015, Deputy Secretary General, International Association of CPGPS, Canada
- 2013-2013, Chair, International Summer School on Planetary Geodesy & Remote Sensing, China
- 2013-2013, Chair, International Symposium on Planetary Sciences (IAPS2013), China
- 2012-2012, Chair, International Symposium on Space Geodesy & Earth System, China
- 2012-2012, Chair, International School on Space Geodesy & Earth System, Shanghai, China
- 2011-2015, Vice-President, International Association of Planetary Sciences (IAPS)
- 2011-Now, General Secretary, International Association of Planetary Sciences (IAPS)
- 2011-2015, Chair, IAG Sub-Commission 4.6 "GNSS-Reflectometry and Applications"
- 2011-2015, Chair, IAG Sub-Commission 2.6 "Gravity and Mass Displacement"
- 2011-2015, Chair, IAG-ICCT JSG 0.8 "Earth System Interaction from Space Geodesy"
- 2011-2011, Chair, International Workshop on GNSS Remote Sensing, Shanghai, China
- 2010-2011, Co-Chair, Strategy & Process Committee, Int. Association of CPGPS, Canada
- 2007-2009, Chair, South-east Asia Office, International Association of CPGPS, Canada
- 2007-2011, Chair, International Association of Geodesy (IAG) Study Group 4.2 (SG4.2)

Editor of Journals & Proceedings

- 2019-Now, Executive Editor-in-Chief, Satellite Navigation

- 2018-Now, Editorial Board Member, Journal of Geodesy and Geoinformation Science
- 2018-Now, Editor-in-Chief, Journal of Environmental & Earth Sciences
- 2018-Now, Editorial Board Member, Geodesy and Cartography,
- 2018-Now, Editor, Geoscience Letters
- 2018-Now, Associate Editor, Geodesy and Geodynamics
- 2018-Now, Editor-in-Chief, Journal of Nanjing University of Information Science & Technology
- 2018-2019, Guest Editor, Special Issue on GNSS Ionosphere, Remote Sensing
- 2017-Now, Editorial Board Member, Journal of Geodesy and Geoinformation
- 2017-Now, Editorial Board Member, Remote Sensing
- 2017-Now, Editorial Board Member, Journal of Space Exploration
- 2017-Now, International Programming Council, TransNav Journal
- 2017-2018, Guest Editor, Special Issue on Geohazards & Geodynamics, Geodesy & Geodynamics
- 2017-2019, Associate Editor, IAG Topical Series: IAG-IASPEI 2017, Springer, Germany
- 2017-2018, Guest Editor, Special Issue on Solar System, Planetary and Space Science
- 2016-Now, Associate Editor, American Journal of Space Science
- 2016-Now, Editorial Board Member, Oxford Research Encyclopedia, Planetary Science
- 2016-Now, Editorial Board Member, GPS Solutions
- 2016-Now, Editor, Cogent Geoscience
- 2015-Now, Editorial Board Member, Journal of Navigation & Positioning
- 2015-2016, Guest Editor, Special Issue on GNSS Applications, Geodesy & Geodynamics
- 2015-Now, Editorial Board Member, Journal of Global Positioning Systems
- 2015-Now, Editorial Board Member, Journal of Geodesy & Geodynamics
- 2015-2016, Guest Editor, Special Issue on BDS/GNSS+, Advances in Space Research
- 2014-Now, Associate Editor, IEEE Transactions on Geoscience and Remote Sensing
- 2014-Now, Associate Editor, Journal of Navigation
- 2014-2016, Editor, IAG Symposia Book Series: IGFS2014, Springer, Germany
- 2014-2016, Associate Editor, IAG Symposia Book Series: GENAH2014, Springer, Germany
- 2014-Now, Editorial Board Member, Planetary and Space Science
- 2014-Now, Editorial Board Member, Journal of Geodynamics
- 2014-Now, Editorial Board Member, Acta Geodaetica et Cartography Sinica
- 2014-2018, Editorial Board Member, Geodesy and Geodynamics
- 2013-Now, Editorial Board Member, International Journal of Geoinformatics
- 2013-2017, Associate Editor, Advances in Space Research
- 2013-Now, Deputy Editor-in-Chief, Journal of Satellite Navigation
- 2013-Now, Editorial Board Member, International Journal of Information Engineering
- 2012-2014, Guest Editor, Special Issue on Beidou/GNSS, Advances in Space Research
- 2012-2013, Associate Editor, IAG Symposia Book Series: GGHS2012, Springer, Germany
- 2012-2013, Guest Editor, Special Issue on Geodetic Earth System, Journal of Geodynamics
- 2011-2012, Guest Editor, Special Issue on Lunar Exploration, Advances in Space Research
- 2010-2014, Editorial Board Member, Journal of Positioning
- 2010-Now, Editorial Board Member, Journal of Geographic Information System
- 2010-Now, Editor, Journal of Geodetic Science
- 2010-Now, Editor-in-Chief, International Journal of Geosciences
- 2009-2011, Guest Editor, Special Issue on GNSS-RS, Advances in Space Research

University, Institute & Government Services

- 2019-Now, Member of Standing Committee, Jiangsu Federation of Returned Overseas Chinese, China
- 2019-Now, Member of Diploma Committee, Shanghai Astronomical Observatory, CAS, Shanghai, China
- 2018-Now, Director, Jiangsu Engineering Center for Collaborative Navigation & Smart Applications
- 2018-Now, Industry Expert Consultant, Liuhe District, Nanjing, China
- 2018-Now, Chair of Academic Committee, School of Remote Sensing & Geomatics, NUIST, China
- 2018-Now, Chair of Promotion Committee, School of Remote Sensing & Geomatics, NUIST, China
- 2018-Now, Chair of Diploma Committee, School of Remote Sensing & Geomatics, NUIST, China
- 2017-Now, Academic Committee, Shanghai Key Lab for BDS Navigation and LBS, China
- 2017-Now, Adjunct Professor, Tongji University, Shanghai, China
- 2017-Now, Promotion Evaluation Committee, Physical Research Laboratory, India
- 2016-Now, Adjunct Professor, Southeast University, Nanjing, China
- 2015-2017, Guest Professor, China University of Geosciences, Wuhan, China
- 2015-Now, Evaluation Expert, Graduate Thesis of Shanghai Degrees Commission, China
- 2015-Now, Evaluation Expert, Shanghai Science and Technology Awards, China
- 2015-Now, Promotion Evaluation Committee, Politecnico di Torino, Torino, Italy
- 2014-Now, Promotion Evaluation Committee, Shanghai Astronomical Observatory, CAS, China
- 2014-Now, Evaluation Expert, Univ. of Strasbourg Institute for Advanced Study Fellowship, France
- 2014-Now, Evaluation Expert, Satellite Navigation Science & Technology Awards, China
- 2014-2018, Adjunct Scientist, Key Laboratory of Planetary Sciences, CAS, China
- 2014-2018, Adjunct Scientist, Shanghai Key Lab of Space Navigation & Positioning Tech., China
- 2014-2014, Promotion Evaluation Committee, King Abdulaziz City for Sci. & Tech., Saudi Arabia
- 2014-Now, Promotion Evaluation Committee, Wuhan University, Wuhan, China
- 2014-2014, Evaluation Expert, Graduate Program of Entoto Observatory, Entoto, Ethiopia
- 2013-2018, Director & Adjunct Professor, China University of Mining & Technology, China
- 2013-2018, Adjunct Professor, Hefei University of Technology, Hefei, China
- 2013-Now, Evaluation Expert, National Remote Sensing Center of China, MOST, China
- 2012-Now, Evaluation Expert, National Science and Technology Awards of China, China

Conference Organizers & Committees

- 11/2019, Member of Scientific Organizing Committee, 4th COSPAR Symposium, Tel Aviv, Israel
- 07/2019, Session Chair, 27th IUGG General Assembly (IUGG2019), Montreal, Canada
- 07/2019, Member of Scientific Committee, IEEE IGARSS 2019, Yokohama, Japan
- 06/2019, Member of Scientific Programme Committee, TransNav 2019, Gdynia, Poland
- 05/2019, Session Chair, China Satellite Navigation Conference (CSNC2019), Beijing, China
- 02/2019, Member of Technical Program Committee, GEOProcessing 2019, Athens, Greece
- 12/2018, Session Chair, 2018 AGU Fall Meeting, Washington DC, USA
- 10/2018, Member of Int. Sci. Committee, Conference of African Assoc. Remote Sensing of Envir., Egypt
- 09/2018, Member of Organizing Committee, Int. Conf. on Green Energy, Eng. & Tech., Berlin, Germany
- 09/2018, Session Co-Chair, International Symposium on Gravity, Geoid & Height System, Denmark
- 09/2018, Member of Program Committee, Int. Conference on Sensor Technologies & Applications, Italy
- 07/2018, Session Co-Chair, 42nd COSPAR Scientific Assembly, Pasadena, CA, USA
- 07/2018, Session Chair, International Symposium on Geodesy and Geodynamics, Kunming, China
- 07/2018, Member of Scientific Committee, IEEE IGARSS 2018, Valencia, Spain
- 07/2018, Session Co-Chair, 5th Conference on Earth System Science (CESS2018), Shanghai, China
- 06/2018, Member of Scientific Committee, IAG Workshop on Hydro-geodesy, Wuhan, China
- 06/2018, Session Chair, AOGS Annual Meeting (AOGS2018), Honolulu, HI, USA

- 05/2018, Session Chair, China Satellite Navigation Conference (CSNC2018), Harbin, China
- 04/2018, Session Co-Convener, European Geosciences Union (EGU) General Assembly, Vienna, Austria
- 02/2018, Member of Organizing Committee, Int. Conference on Aerospace and Aeronautical Eng., UAE
- 01/2018, Member of Technical Program Committee, Int. Conference on Remote Sens. Tech. Appl., Thailand
- 01/2018, Member of Technical Committee, Int. Conference on Advances of Sensors & Instrum., Malaysia
- 12/2017, Session Co-Convener, 2017 AGU Fall Meeting, New Orleans, LA, USA
- 09/2017, Member of Program Committee, Int. Conference on Sensors & Instrum. Advances, Russia
- 09/2017, Session Co-Chair, 3rd COSPAR Symposium, Jeju, South Korea
- 09/2017, Member of Scientific Organizing Committee, 3rd COSPAR Symposium, Jeju, South Korea
- 08/2017, Session Chair, Asia-Pacific Space Geodynamics (APSG) Symposium, Shanghai, China
- 08/2017, Session Co-Chair, AOGS Annual Meeting (AOGS2017), Singapore
- 07/2017, Session Chair, IUGG Symposium on Planetary Sciences (IUGG-PS2017), Berlin, Germany
- 07/2017, Member of SOC, IUGG Symposium on Planetary Sciences (IUGG-PS2017), Berlin, Germany
- 07/2017, Session Chair, IAG-IASPEI Scientific Assembly, Kobe, Japan
- 07/2017, Member of Scientific Committee, IEEE IGARSS 2017, Fort Worth, TX, USA
- 06/2017, Session Chair, 3S Technology Forum and PolyU-HHU Joint Lab Symposium, Nanjing, China
- 06/2017, Member of Scientific Programme Committee, TransNav 2017, Gdynia, Poland
- 05/2017, Member of Technical Programme Committee, CPGPS Forum (CPGPS2017), Harbin, China
- 05/2017, Session Co-Chair, ION Pacific PNT 2017, Honolulu, Hawaii, USA
- 05/2017, Member of Program Committee, European Navigation Conference, Lausanne, Switzerland
- 05/2017, Member of Technical Program Committee, ENVIROSENS 2017, Barcelona, Spain
- 05/2017, Session Chair, China Satellite Navigation Conference (CSNC2017), Shanghai, China
- 04/2017, Session Co-Convener, European Geosciences Union (EGU) General Assembly, Vienna, Austria
- 03/2017, Member of Technical Program Committee, GEOProcessing 2017, Nice, France
- 12/2016, Session Co-Chair, 2016 AGU Fall Meeting, San Francisco, CA, USA
- 12/2016, Member of Scientific Committee, Iranian Navigation Conference (INC2016), Tehran, Iran
- 11/2016, Member of Program Committee, International Conference on UPINLBS, Shanghai, China
- 09/2016, Member of Program Committee, Int. Conference on Sensors & Instrum. Advances, Spain
- 09/2016, Session Co-Chair, International Symposium on Gravity, Geoid & Height System, Greece
- 09/2016, Member of Scientific Committee, Int. Symp. on Gravity, Geoid & Height System, Greece
- 08/2016, Session Chair, Progress In Electromagnetics Res. Symp. (PIERS), Shanghai, China
- 08/2016, Member of Scientific Committee, Int. Symp. on Lunar Exploration & Space Tech., Russia
- 08/2016, Session Chair, AOGS Annual Meeting (AOGS2016), Beijing, China
- 08/2016, Member of Local Organizing Committee, AOGS Annual Meeting, Beijing, China
- 08/2016, Session Co-Chair, URSI Asia-Pacific Radio Science Conference, Seoul, South Korea
- 07/2016, Session Chair, 1st International Conference on GNSS+ (ICG+2016), Shanghai, China
- 07/2016, Member of Scientific Committee, 1st International Conference on GNSS+, Shanghai, China
- 07/2016, Member of Technical Program Committee, SENSORDEVICES 2016, Nice, France
- 07/2016, Session Chair, Int. Symposium on Geodesy & Geodynamics (ISGG2016), Tianjin, China
- 07/2016, Member of Scientific Committee, Int. Symposium on Geodesy & Geodynamics, Tianjin, China
- 07/2016, Session Chair, 41st COSPAR Scientific Assembly, Istanbul, Turkey
- 07/2016, Session Chair, IEEE Int. Geosci. & Remote Sensing Symp. (IGARSS), Beijing, China
- 07/2016, Member of Scientific Committee, IEEE IGARSS 2016, Beijing, China
- 05/2016, Member of Technical Program Committee, European Navigation Conference, Helsinki, Finland
- 05/2016, Session Chair, China Satellite Navigation Conference (CSNC2016), Changsha, China

- 04/2016, Session Co-Convener, European Geosciences Union (EGU) General Assembly, Vienna, Austria
- 04/2016, Member of Technical Program Committee, GEOProcessing 2016, Venice, Italy
- 11/2015, Member of Program Committee, Int. Conference on Sensors & Instrum. Advances, Dubia, UAE
- 08/2015, Session Chair, CPGPS Forum on Multi-sensor Navigation and Positioning, Xuzhou, China
- 08/2015, Member of Scientific Committee, CPGPS Forum on Multi-sensor Navigation, Xuzhou, China
- 07/2015, Member of Scientific Committee, IEEE IGARSS 2015, Milan, Italy
- 06/2015, Session Chair, 26th IUGG General Assembly (IUGG2015), Prague, Czech
- 06/2015, Member of Int. Advisory Committee, Int. Forum “SpaceKazan–IAPS-2015”, Kazan, Russia
- 06/2015, Session Chair, International Forum: “SpaceKazan–IAPS-2015”, Kazan, Russia
- 05/2015, Session Rapporteur, FIG Working Week (FIG2015), Sofia, Bulgaria
- 05/2015, Member of Technical Program Committee, ENVIROSENS 2015, Rome, Italy
- 05/2015, Member of Scientific Organizing Committee, GNSS+R Workshop, Potsdam, Germany
- 05/2015, Session Chair, China Satellite Navigation Conference (CSNC2015), Xi’an, China
- 04/2015, Session Co-Convener, European Geosciences Union General Assembly, Vienna, Austria
- 02/2015, Member of Technical Program Committee, GEOProcessing 2015, Lisbon, Portugal
- 12/2014, Session Co-Convener, AGU Fall Meeting 2014, San Francisco, CA, USA
- 10/2014, Session Co-Chair, China United Geosciences Symposium, Beijing, China
- 08/2014, Session Chair, 40th COSPAR Scientific Assembly (CSOPAR2014), Moscow, Russia
- 08/2014, Session Chair, Progress In Electromagnetics Research Symposium, Guangzhou, China
- 07/2014, Member of Scientific Committee, IEEE IGARSS 2014, Quebec, Canada
- 07/2014, Member of SOC, Symposium on Geodesy for Earthquake & Natural Hazards, Miyagi, Japan
- 07/2014, Session Chair, Symposium on Geodesy for Earthquake & Natural Hazards, Miyagi, Japan
- 07/2014, Member of SOC, 3rd IGFS General Assembly (IGFS2014), Shanghai, China
- 07/2014, Session Chair, 3rd IGFS General Assembly (IGFS2014), Shanghai, China
- 05/2014, Session Chair, China Satellite Navigation Conference (CSNC2014), Wuhan, China
- 05/2014, Member of Organizing Committee, China Satellite Navigation Conference, Wuhan, China
- 04/2014, Session Co-Convener, European Geosciences Union General Assembly, Vienna, Austria
- 03/2014, Member of Technical Program Committee, GEOProcessing 2014, Barcelona, Spain
- 01/2014, Session Chair, 6th CPGPS Forum, Xuzhou, Jiangsu, China
- 01/2014, Member of Scientific Committee, 6th CPGPS Forum, Xuzhou, Jiangsu, China
- 09/2013, Session Co-Chair, ION GNSS+ 2013, Nashville, Tennessee, USA
- 09/2013, Member of Program Committee, Int. Symposium on Geoinformation, KL, Malaysia
- 09/2013, Advisory Board Member, MarineTech Summit (MTS-2013), Hangzhou, China
- 09/2013, Session Chair, Int. Association of Geodesy (IAG) Scientific Assembly, Potsdam, Germany
- 08/2013, Session Convener, Progress In Electromagnetics Res. Symp. (PIERS), Stockholm, Sweden
- 07/2013, Member of Scientific Committee, IEEE IGARSS 2013, Melbourne, Australia
- 07/2013, Session Chair, Int. Symposium on Planetary Sciences (IAPS2013), Shanghai, China
- 07/2013, Member of SOC, Int. Symposium on Planetary Sciences (IAPS2013), Shanghai, China
- 06/2013, Member of Scientific Committee, VIII Hotine-Marussi Symposium, Rome, Italy
- 05/2013, Member of Organizing Committee, China Satellite Navigation Conference, Wuhan, China
- 05/2013, Session Co-Chair, China Satellite Navigation Conference (CSNC2013), Wuhan, China
- 04/2013, Session Co-Convener, European Geosciences Union (EGU) General Assembly, Vienna, Austria
- 04/2013, Session Co-Chair, ION Pacific PNT 2013, Honolulu, Hawaii, USA
- 11/2012, Member of Program Committee, Int. Workshop on Geoinformation Advances, Johor, Malaysia
- 10/2012, Member of Organizing Committee, International Symposium on GPS/GNSS, Xi’an, China

- 10/2012, Session Chair, Workshop on Reflectometry using GNSS & other Signals, WL, USA
- 10/2012, Member of Technical Program Committee, Workshop on GNSS+R, West Lafayette, USA
- 10/2012, Member of SOC, Int. Symp. on Gravity, Geoid and Height Systems (GGHS), Venice, Italy
- 09/2012, Advisor Board Member, MarineTech Summit (MTS-2012), Dalian, China
- 08/2012, Session Convener, AOGS-AGU (WPGM) Joint Assembly, Resorts World Sentosa, Singapore
- 08/2012, Member of Sci. Organizing Committee, Int. Symposium on Space Geodesy, Shanghai, China
- 08/2012, Session Chair, International Symposium on Space Geodesy & Earth System, Shanghai, China
- 07/2012, Session Chair, IEEE Int. Geosci. & Remote Sens. Symp. (IGARSS2012), Munich, Germany
- 07/2012, Member of Technical Program Committee, IEEE IGARSS 2012, Munich, Germany
- 07/2012, Session Chair, 39th COSPAR Scientific Assembly (COSPAR2012), Mysore, India
- 05/2012, Session Co-Convener, Japan Geoscience Union (JGU) Int. Symposium, Chiba, Japan
- 05/2012, Session Co-Chair, China Satellite Navigation Conference (CSNC), Guangzhou, China
- 04/2012, Session Co-Chair, European Geosciences Union (EGU) General Assembly, Vienna, Austria
- 03/2012, Session Co-Chair, Prog. In Electromagnetics Res. Symp. (PIERS), Kuala Lumpur, Malaysia
- 12/2011, Chair, Cross-Strait Forum on GNSS Remote Sensing, Shanghai, China
- 09/2011, Advisor Board Member, MarineTech Summit (MTS-2011), Busan, South Korea
- 09/2011, Co-Chair, Shanghai-Siberia Workshop on Remote Sensing, Shanghai, China
- 08/2011, Session Chair, International Workshop on GNSS Remote Sensing, Shanghai, China
- 08/2011, Member of Scientific Organizing Committee, Int. Workshop on GNSS-RS, Shanghai, China
- 08/2011, Session Convener, Asia Oceania Geosciences Society (AOGS) Assembly, Taipei, Taiwan
- 07/2011, Session Chair, IEEE Int. Geosci. & Remote Sensing Symp. (IGARSS), Vancouver, Canada
- 06/2011, Session Chair, 19th International Conference on Geoinformatics, Shanghai, China
- 03/2011, Chair, Workshop on Space Geodetic Cut-edge Sciences, Shanghai, China
- 10/2010, Member of Science Committee, GGOS/IAU Workshop on Earth Rotation, Shanghai, China
- 10/2010, Session Co-Chair, GGOS/IAU Workshop on Earth Rotation, Shanghai, China
- 10/2010, Member of Scientific Committee, GGOS/IAU Workshop on Earth Rotation, Shanghai, China
- 10/2010, Advisor Board Member, MarineTech Summit-2010 (MTS-2010), Dalian, China
- 08/2010, Session Chair, CPGPS Forum on Satellite Navigation & Positioning, Shanghai, China
- 09/2009, Session Chair, Int. Association of Geodesy (IAG) Sci. Assembly, Buenos Aires, Argentina
- 08/2009, Session Chair, International Technical Meeting on GNSS (ITM GNSS), Beijing, China
- 08/2009, Member of Technical Committee, International Tech. Meeting on GNSS, Beijing, China
- 07/2009, Session Chair, Int. Geosci. & Remote Sens. Symp (IGARSS), Cape Town, South Africa
- 07/2009, Member of Technical Program Committee, IEEE IGARSS 2009, Cape Town, South Africa
- 04/2009, Session Chair, European Geosciences Union (EGU) General Assembly, Vienna, Austria
- 12/2008, Session Chair, American Geophysical Union (AGU) Fall Meeting, San Francisco, USA
- 07/2008, Member of Technical Program Committee, IEEE IGARSS 2008, Boston, MA, USA
- 07/2008, Session Co-Convener, Western Pacific Geophysics Meeting (WPGM), Cairns, Australia
- 06/2008, Session Chair, Asia Oceania Geosciences Society (AOGS) Assembly, Busan, S. Korea
- 04/2008, Session Chair, European Geosciences Union (EGU) General Assembly, Vienna, Austria
- 01/2008, Member of Technical Committee, 2nd CPGPS Youth Forum, Guangzhou, China
- 01/2008, Session Co-Chair, 2nd CPGPS Forum on Next Generation GNSS, Guangzhou, China
- 07/2007, Session Chair, Asia Oceania Geosciences Society (AOGS) Assembly, Bangkok, Thailand
- 05/2007, Member of Program Committee, AGU Joint Assembly 2007, Acapulco, Mexico
- 05/2007, Session Chair, American Geophysical Union (AGU) Joint Assembly, Acapulco, Mexico
- 07/2006, Member of Technical Program Committee, IEEE IGARSS 2006, Denver, CO, USA

Member of Professional Societies & Services

- 2018-Now, Member, Education Working Committee of Chinese Society of Surveying & Mapping, China
- 2018-Now, Expert Advisor, China Beidou Satellite Navigation Enterprise Alliance
- 2018-Now, Council Member, China Association of Remote Sensing Application, China
- 2018-Now, Member, IAU Commission A2 “Rotation of the Earth” Organizing Committee
- 2018-Now, Executive Member of Council, Jiangsu Surveying and Mapping Society, China
- 2018-Now, Member, Engineering Surveying Branch, CSSMG, China
- 2018-Now, Member, Marine Surveying and Mapping Commission, CSSMG, China
- 2018-Now, Member, GNSS Augmentation to the Tsunami Early Warning Systems (GATEW)
- 2018-Now, Member, Chinese Cryospheric Science Society (CCSS), China
- 2017-Now, Council Member, China Society of Traffic Engineering Surveying
- 2017-Now, Member, GNSS & LBS Association of China (GLAC)
- 2016-2020, Member, ISPRS Inter-Commission Working Group III/II
- 2016-2017, Member, CPGPS Conference Committee
- 2015-Now, Member, IAU Division A Fundamental Astronomy
- 2015-Now, Member, IAU Division F Planetary Systems and Bioastronomy
- 2015-Now, Member, IAU Division A Commission A2 Rotation of the Earth
- 2015-Now, Member, IAU Commission Celestial Mechanics & Dynamical Astronomy
- 2015-Now, Member, IAU Division F Commission F2 Exoplanets and the Solar system
- 2015-Now, Member, International Astronomical Union (IAU)
- 2015-Now, Member, Chinese Astronomical Society (CAS), China
- 2015-Now, Member, Shanghai Astronomical Society (SAS), China
- 2015-2019, Executive Committee, IUGG Union Commission on Planetary Sciences
- 2015-2019, Member, ISG/IGFS/ICGEM Joint Working Group 2.2.1
- 2015-2019, Member, IAG Sub-Commission 2.6 Steering Committee
- 2015-2019, Member, IAG Joint Working Group 2.1.1
- 2015-2019, Member, IAG Sub-Commission 2.3 Steering Committee
- 2015-2019, Member, IAG Sub-Commission 4.4’s Working Group 4.4.2
- 2015-2019, Member, IAG Commission 2 Steering Committee
- 2015-2019, Member, Global Geodetic Observing System (GGOS) Consortium
- 2015-2017 Member, CPGPS Journal Committee
- 2014-Now, Associate Member, International GNSS Service (IGS)
- 2014-Now, Member, Geodesy and Navigation Commission, CSSMG
- 2013-Now, Member, IAU & IAG Sub-Working Group on Polar Motion & UT1
- 2013-Now, Member, Institute of Navigation (ION)
- 2012-Now, Member, Chinese Geophysical Society (CGS)
- 2012-Now, Member, Shanghai Geophysical Society (SGS)
- 2011-2015, Member, IAG Joint Working Group 2.8, 2011-2015
- 2011-2015, Member, IAG Sub-Commission 4.3’s Working Group 4.3.3
- 2011-2015, Member, IAG Sub-Commission 2.6’s Working Group 2.6.2
- 2011-2015, Member, IAG Commission 4 Steering Committee
- 2011-2015, Member, IAG Commission 2 Steering Committee
- 2011-2015, Member, IAG Inter-Commission Project on Geodetic Planetology
- 2011-2015, Member, IAG Sub-Commission 2.6’s Working Group 2.6.1
- 2011-Now, Scientific Board Member, InTech-Publisher, Rijeka, Croatia

- 2011-Now, Fellow, International Association of Geodesy (IAG)
- 2009-Now, Associate Member, Committee on Space Research (COSPAR), France
- 2008-Now, Member, European Geosciences Union (EGU)
- 2007-2011, Member, Int. Association of Geodesy (IAG) SG4.2 Steering Committee
- 2007-Now, Member, Asia Oceania Geosciences Society (AOGS)
- 2007-Now, Member, Royal Institute of Navigation (RIN), UK
- 2006-Now, Member, IEEE Geosciences and Remote Sensing Society (GRSS)
- 2005-Now, Member, American Geophysical Union (AGU)
- 2004-Now, Member, International Association of Chinese professional in GPS (CPGPS)
- 2004-Now, Member, Pan Ocean Remote Sensing Conference Association (PORSEC)

V. INVITED TALKS & KEYNOTES

- 11/2019, COSPAR Symposium on Small Satellites for Sustainable Science & Development, Herzliya, Israel
- 08/2019, Forum on Frontier Technology of Surveying and Mapping Science, Xi'an, China
- 08/2019, Symposium on 40th Anniversary of Seismological Society of China
- 06/2019, New Period Forum on Marine Surveying and Mapping, Suzhou, China
- 05/2019, China Satellite Navigation Conference (CSNC2019), Beijing, China
- 04/2019, Jiangsu Geomatics Society Annual Meeting on Geodesy and LBS, Nanjing, China
- 01/2019, Innovation Forum on Navigation Science & Technology, Shijiazhuang, China
- 01/2019, Workshop on Smart Navigation and Applications, Nanjing, China
- 01/2019, Forum on Intelligent Water and River/Lake Technology Innovation, Zhengzhou, China
- 01/2019, Forum on China Marine Surveying & Geographic Information New Silk Road, Zhengzhou, China
- 01/2019, Workshop on Intelligent Navigation and Applications, Nanjing, China
- 12/2018, International Symposium on Asteroids and Comet Gravity and Interiors, Wuhan, China
- 12/2018, Workshop on GNSS Reference Station Network Construction & Application, Wuhan, China
- 12/2018, American Geophysical Union (AGU) Fall Meeting, Washington D.C., USA
- 11/2018, International Workshop on GNSS Ionosphere (IWGI2018), Shanghai, China
- 11/2018, Forum on Perspectives of Spatial Informatics within Artificial Intelligence Era, Xuzhou, China
- 10/2018, School of Hydrology and Water Resouce, Hohai University, Nanjing, China
- 09/2018, International Workshop on Innovating GNSS and LEO Occultations & Reflections, Beijing, China
- 09/2018, China GNSS and LBS Annual Conference, Mianyang, China
- 08/2018, 3rd Congress of China Geodesy and Geophysics (CCGG2018), Lanzhou, China
- 08/2018, Advanced Forum and Summer School on Remote Sensing and Geomatics, Nanjing, China
- 07/2018, International Symposium on Geodesy and Geodynamics (ISGG2018), Kunming, China
- 07/2018, China BeiDou Navigation Satellite System Training, Chengdu, China
- 07/2018, Advanced Forum on Spatial Location Service, Guangzhou, China
- 07/2018, International Conference on Earth Observations & Societal Impacts, Hsinchun, Taiwan
- 06/2018, School of Earth and Space Sciences, Peking University, Beijing, China
- 04/2018, International Conference on Geomatics in Civil Engineering, Roorkee, India (Keynote)
- 04/2018, Southern University of Science and Technology, Shenzhen, China
- 04/2018, Nanjing University of Information Science and Technology, Nanjing, China
- 03/2018, School of Civil Engineering, Tsinghua University, Beijing, China
- 01/2018, Institute of Atmospheric Sciences, Fudan University, Shanghai, China
- 11/2017, International Conference on Aerospace Sci. & Engineering, Islamabad, Pakistan (Keynote)
- 10/2017, School of Ocean and Earth Science, Tongji University, Shanghai, China
- 10/2017, International Colloquium - Sci. & Fund. Aspects of GNSS/Galileo, Valencia, Spain (Keynote)
- 10/2017, High-end Forum on Geoinformatics and Navigation, Shenzhen, China.
- 10/2017, ISPRS International Joint Conference, Tehran, Iran (Keynote)
- 09/2017, School of Geosciences and Info-Physics, Central South University, Changsha, China
- 09/2017, College of Civil Engineering and Mechanics, Xiangtan University, Xiangtan, China
- 08/2017, Ocean College, Zhejiang University, Zhoushan, Zhejiang, China.
- 08/2017, Department of Civil Engineering, University of Nottingham at Ningbo, Ningbo, China
- 07/2017, CPGPS Summer School on GNSS+ Navigation & Positioning Frontiers, Weihai, China
- 06/2017, Faculty of Information Technology, Macau University of Science & Technology, Macau

- 06/2017, School of Ocean and Earth Science, Tongji University, Shanghai, China
- 06/2017, Northwest Institute of Eco-Environment and Resources, CAS, Lanzhou, China
- 06/2017, 3S Technology Forum and PolyU-HHU Joint Lab Symposium, Nanjing, China
- 06/2017, Faculty of Engineering, Bulent Ecevit University, Zonguldak, Turkey
- 05/2017, 11th Annual RIN Baska GNSS Conference, Baska, Krk Island, Croatia (Keynote)
- 05/2017, China Satellite Navigation Conference (CSNC2017), Shanghai, China
- 04/2017, School of Transportation, Southeast University, Nanjing, China
- 01/2017, Institute of Geology, China Earthquake Administration, Beijing, China
- 12/2016, Iranian Navigation Conference (INC2016), Tehran, Iran (Keynote)
- 11/2016, Institute of Geodesy and Geophysics, Chinese Academy of Sciences, Wuhan, China
- 11/2016, Int. Workshop on Satellite Observations & Geoscience Applications (SOGA2016), Turkey
- 10/2016, PLA Information Engineering University, Zhengzhou, China
- 07/2006, Asia Oceania Geosciences Society (AOGS) Annual Meeting, Beijing, China
- 07/2016, 41st COSPAR Scientific Assembly (COSPAR2016), Istanbul, Turkey
- 07/2016, 1st International Conference on GNSS+ (ICG+2016), Shanghai, China
- 07/2016, International Symposium on Geodesy and Geodynamics, Tianjin, China
- 07/2016, China Summer School on Big BDS Data & Location-Based Service, Zhengzhou, China
- 07/2016, IEEE Int. Geosci. and Remote Sensing Symposium (IGARSS2016), Beijing, China
- 07/2016, CPGPS Summer School on GNSS Navigation/Positioning & Applications, Wuhan, China
- 05/2016, 10th Annual RIN Baska GNSS Conference, Baska, Krk Island, Croatia (Keynote)
- 05/2016, China Satellite Navigation Conference (CSNC)-CPGPS Panel, Changsha, China
- 05/2016, China Satellite Navigation Conference (CSNC2016), Changsha, China
- 12/2015, Satellite Space and Technology Days, Istanbul, Turkey
- 10/2015, General Administration of Land Registry and Cadastre, Afyon, Turkey
- 08/2005, Asia Oceania Geosciences Society (AOGS) Annual Meeting, Singapore
- 06/2015, 26th IUGG General Assembly (IUGG2015), Prague, Czech
- 06/2015, Institute of Geodesy, Graz University of Technology, Graz, Austria
- 06/2015, Faculty of Engineering & Natural Sciences, Sabanci University, Istanbul, Turkey
- 06/2015, Dept. of Geomatics Engineering, Istanbul Technical University, Istanbul, Turkey
- 06/2015, 2nd IAPS Scientific Assembly (IAPS2015), Kazan, Russia
- 05/2015, Faculty of Information Engineering, China University of Geosciences, Wuhan, China
- 05/2015, China Satellite Navigation Conference (CSNC2015), Xi'an, China
- 05/2015, Japan Geoscience Union (JpGU) Meeting (JpGU2015), Chiba, Japan
- 04/2015, International Aerospace & Satellite Applications Training Program, Beijing, China
- 04/2015, Department of Electrical Engineering, Hacettepe University, Ankara, Turkey
- 04/2015, TUBITAK National Observatory (TUG), Antalya, Turkey
- 12/2014, Workshop on NEO Sample Return MarcoPolo 2D, Beijing, China
- 11/2014, GFZ German Research Centre for Geosciences, Potsdam, Germany
- 11/2014, Technical University of Berlin (TU-Berlin), Berlin, Germany
- 11/2014, 5th International GOCE User Workshop, Paris, France
- 09/2014, General Command of Mapping (GCM), Ankara, Turkey
- 08/2014, CPGPS Summer School on GNSS, Shanghai, China
- 08/2014, 40th COSPAR Scientific Assembly (COSPAR2014), Moscow, Russia
- 07/2014, 3rd IGFS General Assembly (IGFS2014), Shanghai, China
- 05/2014, China Satellite Navigation Conference (CSNC2014), Nanjing, China

- 05/2014, ISPRS Technical Commission IV Symposium, Suzhou, China
- 04/2014, Japan Geoscience Union (JpGU) Meeting, Pacifico, Yokohama, Japan
- 04/2014, Symposium on Basic Astronomy Status and Future, Nanjing, China
- 03/2014, School of Civil Engineering, Hefei University of Technology, Hefei, China
- 02/2014, Short Training Course on Applications of GNSS, Islamabad, Pakistan
- 01/2014, 6th CPGPS Forum on BDS/GNSS, Xuzhou, Jiangsu, China
- 12/2013, Xichang Satellite Launch Center, Xichang, China
- 12/2013, International Workshop on the Earth's structure and dynamics, Wuhan, China
- 10/2013, CSSMG Popular Science Training on GNSS, Chengdu, China
- 10/2013, China University of Mining and Technology, Xuzhou, China
- 09/2013, Institute of Geophysics, University of Lisbon, Lisbon, Portugal
- 07/2013, International Symposium on Planetary Science (IAPS2013), Shanghai, China
- 06/2003, Asia Oceania Geosciences Society (AOGS) Annual Meeting, Brisbane, Australia
- 05/2013, China Satellite Navigation Conference (CSNC2013), Wuhan, China
- 11/2012, Redbud Forum on Global Change Science, Tsinghua University, Beijing, China
- 09/2012, MarineTech Summit (MTS-2012), Dalian, China (Keynote)
- 08/2012, International Summer School on Space Geodesy & Earth System, Shanghai, China
- 08/2012, International Symposium on Space Geodesy & Earth System, Shanghai, China
- 08/2012, AOGS-AGU (WPGM) Joint Assembly, Resorts World Sentosa, Singapore
- 07/2012, Deutsches Geodatisches Forschungsinstitut (DGFI), Munich, Germany.
- 06/2012, Geodetic Survey Division, Natural Resources Canadian, Ottawa, Canada
- 06/2012, Department of Geomatics Engineering, University of Calgary, Calgary, Canada
- 05/2012, China Satellite Navigation Conference (CSNC2012), Guangzhou, China
- 03/2012, Faculty of Geoinformatics, Universiti Teknologi Malaysia, Johor, Malaysia
- 11/2011, Department of Geomatics, National Cheng Kung University, Tainan, Taiwan
- 11/2011, Taiwan National Chiao Tung University (NCTU), Hsinchu, Taiwan
- 11/2011, GPS-ARC, National Central University, Taoyuan, Taiwan
- 11/2011, Institute of Earth Sciences, Academia Sinica, Taipei, Taiwan
- 10/2011, Chinese Geophysical Society (CGS) Annual Meeting, Changsha, China
- 09/2011, MarineTech Summit (MTS-2011), Busan, South Korea (Keynote)
- 08/2011, IEEE Int. Geosci. and Remote Sensing Symposium (IGARSS2011), Sendai, Japan
- 10/2010, URSI-F Specialist Symposium on Microwave Remote Sensing, Florence, Italy
- 04/2010, School of Geodesy and Geomatics, Wuhan University, Wuhan, China
- 04/2010, Department of Geomatics, Hohai University, Nanjing, China
- 10/2009, College of Global Change & Earth System, Beijing Normal University, Beijing, China
- 08/2009, Department of Surveying and Geo-informatics, Tongji University, Shanghai, China
- 08/2009, International Scientific Symposium on The Moon, moons and planets, Kazan, Russia
- 08/2009, International Technical Meeting on GNSS (ITM GNSS2009), Beijing, China
- 08/2009, GNSS Research Center, Wuhan University, Wuhan, China
- 08/2009, Institute of Geodesy and Geophysics, Chinese Academy of Sciences, Wuhan, China
- 08/2009, Institute of Seismology, China Earthquake Administration, Wuhan, China
- 04/2009, European Geosciences Union (EGU) General Assembly (EGU2009), Vienna, Austria
- 09/2008, School of Earth & Environ. Sciences, Seoul National University, Seoul, South Korea
- 07/2008, Colloquium at the Royal Observatory of Belgium (ROB), Brussels, Belgium
- 06/2008, Institute of Geophysics, University of Hamburg, Hamburg, Germany

- 06/2008, Asia Oceania Geosciences Society (AOGS) General Assembly, Busan, South Korea
- 01/2008, 2nd CPGPS Youth Forum on Next Generation GNSS, Guangzhou, China
- 07/2007, Asia Oceania Geosciences Society (AOGS) General Assembly, Bangkok, Thailand
- 06/2007, Department of Geographical & Earth Sciences, University of Glasgow, Glasgow, UK
- 05/2007, American Geophysical Union (AGU) Joint Assembly (Spring), Acapulco, Mexico
- 07/2006, National Astronomical Observatory, Chinese Academy of Sciences, Beijing, China
- 12/2005, Shanghai Astronomical Observatory, Chinese Academy of Sciences, Shanghai, China
- 09/2005, Colloquium at Korea Astronomy and Space Science Institute, Daejeon, South Korea

VI. PROJECTS & GRANTS

Principal Investigator (PI)

- 2019-2024, Strategic Priority Research Program Project of the Chinese Academy of Sciences (Grant No. XDA23040100): "Water environment/ecology monitoring system and information platform of the Yangtze River mainstream and its application", China. (PI)
- 2018-2021, National Key Research and Development Program of China Project (Grant No. 2018YFC0603502): "Gravity and magnetic joint inversion method and technology and integrated software", China. (PI)
- 2018-2021, Startup Foundation for Introducing Talent of NUIST (Grant No. 2243141801036): "GNSS-Reflectometry and its applications in land and ocean remote sensing", China. (PI)
- 2018-2021, Jiangsu Province Distinguished Professor Project (Grant No. R2018T20): "Atmospheric, ocean and land remote sensing using Global Navigation Satellite System (GNSS)", China. (PI)
- 2018-2020, National Natural Science Foundation of China-German Science Foundation (NSFC-DFG) Project (Grant No. 41761134092): "Ionospheric-plasmaspheric variations and mechanism from multi-satellite space-based GNSS measurements", China. (PI)
- 2017-2020, Aerospace Pre-research Technology Project (Grant No. 30508020214): "Information processing and ocean environmental parameters inversion from satellite-borne GNSS-Reflectometry", China. (PI)
- 2017-2020, National Key Research and Development Program of China Sub-Project (Grant No. 2017YFB0502802): "Onboard real-time and fast inversion of atmospheric and marine environmental parameters", China. (PI)
- 2016-2019, National Natural Science Foundation of China (NSFC) Project (Grant No. 11573052): "Middle-lower atmospheric variations and wave structures in Tibet from space-borne GPS observations", China. (PI)
- 2014-2015, Chinese Academy of Sciences and Russia-Ukraine-Belarus Joint Project (Grant No. 1427): "Sensing lunar topography, components and dust exosphere from recent space missions", China. (PI)
- 2014-2017, National Natural Science Foundation of China (NSFC) Project (Grant No. 11373059): "Low degree gravity field variations and large-scale mass transport from GNSS and Satellite Altimetry", China. (PI)
- 2012-2014, Open Research Fund of the Academy of Satellite Application, CASC (Grant No. 2012-1508): "Atmospheric disturbances and anomalous behaviors detected by ground and space-based GNSS", China. (PI)
- 2012-2015, National Natural Science Foundation of China (NSFC) Project (Grant No. 11173050): "Multi-satellite observations of planet Earth's dynamic oblateness variation and its physical mechanism", China. (PI)
- 2012-2016, National Basic Research Program of China (973 Program) Sub-Project (Grant No. 2012CB720001): "Mapping and characteristics of multi-scale temporal-spatial planetary surface topography", China. (PI)
- 2012-2015, European Space Agency (ESA) Category-1 Project (C1P.10660): "Climate system changes and geodynamics modeling in Southwest China from InSAR, GPS and Gravimetry", Italy. (PI)
- 2012-2015, Pujiang Talent Program Project of Shanghai (Grant No. 11PJ1411500): "Improvement of GNSS positioning models and surface mass loading estimates", China. (PI)
- 2011-2013, Main Direction Project of the Chinese Academy of Sciences (CAS) (Grant No. KJCX2-EW-T03): "Earth's surface processes and dynamics from GPS, InSAR and Satellite Gravimetry", China. (PI)
- 2011-2012, National Natural Science Foundation of China (NSFC) Project (Grant No. 11043008): "Earth's surface fluid mass change and its excitation to Earth Rotation from satellite gravimetry", China. (PI)
- 2010-2014, "One-Hundred Talents Program" Project of the Shanghai Astronomical Observatory, CAS (Grant No. 5420100701): "Satellite navigation, remote sensing and its applications", China. (PI)
- 2003-2005, Open Research Fund Program of the Key Laboratory of Geospace Environment and Geodesy, Ministry of Education of China (Grant No. 030405): "Terrestrial reference frame and high-frequency variations of Earth

Rotation Parameters”, China. (PI)

Co-Principal Investigator (Co-PI)

- 2005-2007, International Multilateral Joint Project of China-Japan-Korea Ministry of Science and Technology: “Study on crustal deformation in Eastern Asia using GPS”, South Korea. (Co-PI)
- 2004-2007, Australian Research Council (ARC) Linkage Project (Grant No. LP0561096): “Monitoring & predicting near real time ionospheric activities with multi-satellite data”, Australia. (Co-PI)

Co-Investigator (Co-I)

- 2016-2017, CAS Key Laboratory of Planetary Sciences Project (Grant No: PSL16_07): "Martian atmospheric density estimation and its variation characteristics", China. (Co-I)
- 2015-2016, CAS Key Laboratory of Planetary Sciences Project (Grant No: PSL15_07): “Research on layered basalt structure in Mare Imbrium using LPR and LRS data”, China. (Co-I)
- 2015-2016, CAS Key Laboratory of Planetary Sciences Project (Grant No: PSL15_06): “Spectral mixture analysis of hydrous minerals at Gale crater and implications on the aqueous history of Mars”, China. (Co-I)
- 2014-2016, Shanghai Astronomical Observatory “1-3-5 Breakthrough” Project (Grant No: SHAO-MB201304): “Planetary internal physics and dynamics”, China. (Co-I)
- 2008-2010, National Aeronautics and Space Administration (NASA) Project: “NASA interdisciplinary science and energy- and water-cycle research program and NASA GRACE Science Team”, USA. (Co-I)
- 2008-2011, Korea Research Council of Fundamental Science and Technology Project: “Global geodetic data processing and analysis center”, South Korea. (Co-I)
- 2007-2010, Korea Ministry of Construction and Transportation Project: “Combination of space geodetic techniques and applications”, South Korea. (Co-I)
- 2006-2009, Korea Ministry of Science and Technology Project: “KOMPSAT-5 precise orbit determination and GPS Radio Occultation”, South Korea. (Co-I)
- 2006-2008, Korea Meteorological Administration Research and Development Program Project (Grant No: CATER 2006-3104): “GNSS meteorology and atmospheric science applications”, South Korea. (Co-I)
- 2003-2004, Australian Research Council (ARC) Discovery Project (Grant No: DP0345978): “Stochastic modeling for high precision GPS positioning applications”, Australia. (Co-I)
- 2002-2004, National Natural Science Foundation of China (NSFC) Project (Grant No. 40174009): “Data processing uniform standards of GPS monitoring crustal movement in China mainland”, China. (Co-I)
- 1999-2004, Shanghai Important Basic Research Project: “Shanghai Comprehensive GPS Application Network (SCGAN) and its applications in meteorology, GIS, urban subsidence and control network”, China. (Co-I)
- 1999-2002, National Basic Research Program of China (973 Program) (Grant No: G1998040703): “Mechanism and prediction of strong earthquakes in China”, China. (Co-I)

VII. TEACHING & ADVISING

Post-Docs Supervised

- 2019-2021, Wang Li (Post-Doc, NUIST), Asst. Prof. at Nanjing University of Info. Sci. & Tech., China
- 2019-2021, Hu Jiang (Post-Doc, NUIST), Asst. Prof. at Nanjing University of Info. Sci. & Tech., China
- 2019-2021, Hui Xi (Post-Doc, NUIST), Asst. Prof. at Nanjing University of Info. Sci. & Tech., China
- 2019-2021, Hugo Carreno Luengo (Post-Doc, SHAO), Shanghai Astron. Observatory, CAS, China
- 2018-2020, Songbai Xuan (Post-Doc, NUIST), Shanghai Astronomical Observatory, CAS, Shanghai, China
- 2018-2020, Jike Chen (Post-Doc, NUIST), Asst. Professor at Nanjing University of Info. Sci. Tech., China
- 2018-2020, Dedalo Marchetti (Post-Doc, NUIST), Asst. Prof. at Nanjing University of Info. Sci. Tech., China
- 2018-2020, Minao Sun (Post-Doc, NUIST), Asst. Prof. at Nanjing University of Info. Sci. and Tech., China
- 2018-2020, Bing Zhang (Post-Doc, NUIST), Asst. Prof. at Nanjing University of Info. Sci. and Tech., China
- 2018-2020, Zhenyang Hui (Post-Doc, NUIST, China), Asst. Prof. at Donghua University of Tech., China
- 2017-2018, Hong Hu (Post-Doc, BEUN, Turkey), Asst. Professor at Anhui University, Hefei, China
- 2016-2017, Weibing Du (Post-Doc, BEUN, Turkey), Assoc. Prof. at Henan Polytechnic University, China
- 2015-2017, Gonca Okay Ahi (Post-Doc, BEUN, Turkey), Asst. Prof. at Hacettepe University, Turkey
- 2013-2014, Xuerui Wu (Post-Doc, SHAO, China), Assoc. Prof. at Shanghai Astron. Observ., CAS, China
- 2012-2014, Yansong Xue (Post-Doc, SHAO), Assoc. Prof. at Shanghai Astron. Observatory, CAS, China
- 2011-2013, Rongxin Fang (Post-Doc, WHU/SHAO, China), Assoc. Professor at Wuhan University, China
- 2011-2013, Liang Chang (Post-Doc, SHAO, China), Assoc. Professor at Shanghai Ocean University, China
- 2011-2012, Fabio Pulvirenti (Post-Doc, SHAO, China), Post-Doc Fellow at NASA/Caltech JPL, CA, USA

Ph.D Students Supervised

- 2019-2022, Jikai Liu (Ph.D, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2019-2022, Mingwei Zhu (Ph.D, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2018-2021, Sayyed M. Mirzadeh (Ph.D, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2018-2021, Qisheng Wang (Ph.D, CUG/NUIST, China), Assistant Professor at Xiangtan University, China
- 2018-2021, Hasnain Farooq (Ph.D, NUIST, China), Nanjing University of Info. Sci. and Tech., China
- 2018-2021, Usman Mazhar (Ph.D, NUIST, China), Nanjing University of Info. Sci. and Tech., China
- 2018-2021, Minmin Huang (Ph.D, NUIST, China), Nanjing University of Info. Sci. and Tech., China
- 2017-2022, Ke Su (Ph.D, SHAO, China), Shanghai Astronomical Observatory, CAS, Shanghai, China
- 2017-2022, Sheng Liu (Ph.D, XAO/SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2017-2020, Zengji Zheng (Ph.D, SHAO, China), Scientist at Shaanxi Earthquake Bureau, Xi'An, China
- 2017-2020, Zhounan Dong (Ph.D, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2016-2021, Liangliang Yuan (M.Sc, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2016-2019, Jiandong Liu (Ph.D, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2015-2019, Bahruz Ahadov (Ph.D, SHAO, China), Research Scientist, Geology Inst., ANAS, Azerbaijan
- 2015-2018, Xiaojuan Tian (Ph.D, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2015-2018, Gokhan Gurbuz (Ph.D, BEUN, Turkey), Asst. Prof. at Bulent Ecevit University, Turkey
- 2014-2018, Mostafa Abd-Elbaky (Ph.D, SHAO, China), Asst. Prof. at Minia University, Minia, Egypt
- 2014-2017, Munawar Shah (Ph.D, SHAO, China), Asst. Professor at Institute of Space Technology, Pakistan
- 2014-2017, Andres Calabria (Ph.D, SHAO, China), Assoc. Prof. at Nanjing Univ. Info. Sci. Tech, China
- 2013-2018, Fang Zou (Ph.D, SHAO, China), Post-Doc, Hong Kong Polytechnic University, China
- 2013-2018, Nevin B. Avsar (Ph.D, BEUN, Turkey), Asst. Professor at Bulent Ecevit University, Turkey
- 2013-2016, Attaullah Khan (Ph.D, SHAO, China), Asst. Prof. at Abdul Wali Khan Univ., Mardan, Pakistan

- 2012-2014, Xinggang Zhang (Ph.D, SHAO, China), Asst. Prof. at Nat. Time Service Center, CAS, China
- 2011-2016, Tengyu Zhang (Ph.D, SHAO, China), Engineer at Fuwu Robot Co. Ltd., Shanghai, China
- 2011-2016, Rui Jin (Ph.D, SHAO, China), Engineer, Fudan-Holding Hualong Tech. Co. Ltd, Shanghai, China
- 2011-2016, Xuechuan Li ((Ph.D, WHU/SHAO), Engineer at the 1st Monitoring Center, CEA, Tianjin, China
- 2011-2014, Ayman A. A. Hassan (Ph.D, SHAO, China), Asst. Professor at Minia University, Minia, Egypt
- 2010-2014, Guiping Feng (Ph.D, SHAO, China), Asst. Professor at Shanghai Ocean University, China
- 2007-2013, Haohan Wei (Ph.D, HHU/SHAO., China), Associate Prof. at Nanjing Forestry University, China
- 2007-2011, Jeong-Ho Baek (Ph.D, UST, Korea), Scientist at Korea Astron. & Space Sci. Ins., South Korea

M.Sc Students Supervised

- 2019-2022, Yi Chai (M.Sc, SHAO, China), Ph.D at Shanghai Astronomical Observatory, CAS, China
- 2019-2022, Shuai Yang (M.Sc, SHAO, China), Ph.D at Shanghai Astronomical Observatory, CAS, China
- 2019-2022, Peng Han (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2019-2022, Wanxuan Geng (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2019-2022, Xiaqing Yan (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2019-2022, Renfang Geng (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2019-2022, Haosheng Chen (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2019-2022, Peng Luo (M.Sc, SHU/SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2019-2022, Junyuan Yao (M.Sc, SHU/SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2019-2022, Zhenchuan Huang (M.Sc, SHU/SHAO, China), Shanghai Astron. Observatory, CAS, China
- 2018-2021, Yawen Li (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2018-2021, Jiabin Guo (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2018-2021, Yiduo Wen (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2018-2021, Jieying Ma (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2018-2021, Hongsu Liu (M.Sc, NUIST, China), Nanjing University of Information Sci. & Tech., China
- 2018-2021, Mingliang Wu (M.Sc, XTU, China), Shanghai Astronomical Observatory, CAS, Shanghai, China
- 2018-2021, Yang He (M.Sc, SHU/SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2018-2021, Wei Shang (M.Sc, SHU/SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2018-2021, Qiang Chen (M.Sc, XTU, China), Shanghai Astronomical Observatory, CAS, Shanghai, China
- 2017-2020, Zhaoyang Hong (M.Sc, STU, China), Shanghai Astronomical Observatory, CAS, China
- 2017-2020, Jie Chen (M.Sc, XTU, China), Shanghai Astronomical Observatory, CAS, Shanghai, China
- 2017-2020, Chun Li (M.Sc, XTU, China), Shanghai Astronomical Observatory, CAS, Shanghai, China
- 2017-2020, Hui Qiu (M.Sc, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2017-2020, Chao Gao (M.Sc, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2016-2019, Qin Peng (M.Sc, SHU/SHAO, China), Engineer at China Construction Shangtong Ltd., China
- 2016-2019, Yuhan Liu (M.Sc, SHU/SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2015-2018, Cheng Zhang (M.Sc, HFUT/SHAO, China), Engineer at Geodetic Data Center, SBSM, China
- 2015-2018, Qinyun Zhang (M.Sc, SHU/SHAO, China), Engineer at Ctrip Int. Ltd., Shanghai, China
- 2015-2018, Xin Liu (M.Sc, SHU/SHAO, China), Engineer at Zhongxing Telecom. Equip. Corp., China
- 2015-2018, Xiaodong Qian (M.Sc, SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2015-2018, Suat Yazici (M.Sc, BEUN, Turkey), Ph.D at Bulent Ecevit University, Zonguldak, Turkey
- 2015-2018, Tuba Korkmaz (M.Sc, BEUN, Turkey), Ph.D at Bulent Ecevit University, Zonguldak, Turkey
- 2015-2017, Volkan Akgul (M.Sc, BEUN, Turkey), Ph.D at Bulent Ecevit University, Zonguldak, Turkey
- 2014-2017, Junhai Li (M.Sc, SHAO, China), Engineer at Puxun Power Information Tech. Co. Ltd, China
- 2014-2017, Du Li (M.Sc, SHU/SHAO, China), Shanghai Astronomical Observatory, CAS, China
- 2014-2017, Wenxin Zhang (M.Sc, SHU/SHAO, China), Staff at Shanghai CDP Group, Shanghai, China

- 2013-2016, Xin Zhao (M.Sc, SHU/SHAO, China), Engineer at eBaoTech Corporation, Shanghai, China
- 2013-2016, Yang Zhou (M.Sc, SHU/SHAO, China), Staff at Economic Development Zone, Urumqi, China
- 2013-2016, Yi Yang (M.Sc, SHAO, China), Ph.D at Purdue University, West Lafayette, IN, USA
- 2013-2015, Gokhan Gurbuz (M.Sc, BEUN, Turkey), Ph.D at Bulent Ecevit University, Zonguldak, Turkey
- 2013-2015, Samed Inyurt (M.Sc, BEUN, Turkey), Ph.D at Bulent Ecevit University, Zonguldak, Turkey
- 2012-2015, Wei Yu (M.Sc, HFUT/SHAO, China), Engineer at No. 38 Research Institute, CETC, China
- 2012-2015, Xuelin Tao (M.Sc, HFUT/SHAO, China), Engineer at Nari Technol. Co. Ltd, Nanjing, China
- 2012-2015, Zhiqiang Li (M.Sc, WHU/SHAO, China), Engineer at Lide Geospat. Tech. Co. Ltd, China
- 2012-2015, Zhixiang Yin (M.Sc, WHU/SHAO, China), Asst. Professor at Anhui University, Heifei, China
- 2011-2014, Nasser Najibi (M.Sc, SHAO, China), Ph.D at City University of New York, New York, USA
- 2011-2014, Stefano Colpani (M.Sc, DTU/SHAO, Denmark), Engineer, Oil and Gas Company, Denmark
- 2010-2013, Liu Chang (M.Sc, WHU/SHAO, China), Staff at the 1st Monitoring Center, CEA, China
- 2010-2013, Hongzhou Yang (M.Sc, WHU/SHAO, China), Ph.D at University of Calgary, Calgary, Canada
- 2009-2012, Liangjing Zhang (M.Sc, SHAO, China), Ph.D at GFZ Research Center for Geosci., Germany

B.Sc Students Supervised

- 2019-2020, Linlin Li (B.Sc, NJU/SHAO, China), M.Sc at Shanghai Astron. Observatory, CAS, China
- 2019-2020, Ziling Liang (B.Sc, LU/SHAO, China), M.Sc at Shanghai Astron. Observatory, CAS, China
- 2018-2019, Xiaqing Yan (B.Sc, NUIST, China), M.Sc at Nanjing University of Infor. Sci. Tech., China
- 2017-2017, Ke Su (B.Sc, SDUST/SHAO, China), M.Sc at Shanghai Astron. Observatory, CAS, China
- 2017-2017, Funda Bektas (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2017-2017, Onur Kolutek (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2017-2017, Tugba Ece (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2017-2017, Ceren Serbest (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2017-2017, Emre Eksi (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2017-2017, Omer Sonmez (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2017-2017, Sonmez Ergin (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2017-2017, Yasin Ulger (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2016-2016, Qin Peng (B.Sc, WHU/SHAO), M.Sc at Shanghai Uni./Shanghai Astron. Observ., China
- 2016-2016, Fatih Beyhan (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2016-2016, Ihsan Onur Ersoy (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit Univ., Zonguldak, Turkey
- 2016-2016, Sanem Emir (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2016-2016, Liangliang Yuan (B.Sc, NJU/SHAO, China), M.Sc at Nanjing University, Nanjing, China
- 2016-2016, Jing Zhang (B.Sc, NJU/SHAO, China), M.Sc at Nanjing University, Nanjing, China
- 2015-2015, Xiaodong Qian (B.Sc, WHU/SHAO, China), M.Sc at Shanghai Astron. Observ., CAS, China
- 2014-2015, Alexandru Marin (B.Sc, UASVMB/BEU), Uni. Agron. Sci. Veter. Medi., Bucharest, Romania
- 2014-2015, Ozan Kilic (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2014-2015, Songul Tuzuner (B.Sc, BEUN, Turkey), M.Sc at Bulent Ecevit University, Zonguldak, Turkey
- 2014-2014, Peng Zhang (B.Sc, NJU/SHAO, China), M.Sc at Nanjing University, Nanjing, China
- 2014-2014, Lili She (B.Sc, NJU/SHAO, China), M.Sc at Nanjing University, Nanjing, China
- 2014-2014, Yuzhu Dong (B.Sc, NJU/SHAO, China), M.Sc at Nanjing University, Nanjing, China
- 2014-2014, Junhai Li (B.Sc, WHU/SHAO, China), M.Sc at Shanghai Astron. Observatory, CAS, China
- 2013-2013, Fang Zou (B.Sc, WHU/SHAO, China), M.Sc at Shanghai Astron. Observatory, CAS, China
- 2012-2012, Qiang Zhu (B.Sc, CUMT/SHAO, China), M.Sc at Shanghai Astron. Observatory, CAS, China
- 2011-2011, Rui Jin (B.Sc, WHU/SHAO, China), M.Sc at Shanghai Astron. Observatory, CAS, China
- 2011-2011, Tengyu Zhang (B.Sc, WHU/SHAO, China), M.Sc at Shanghai Astron. Observ., CAS, China

Student Awards Supervised

- 06/2019, Ke Su (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, Shanghai, China
- 06/2019, Zhounan Dong (Ph.D), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 12/2018, Ke Su (M.Sc), National Graduate Scholarship of Ministry of Finance & Education, China
- 12/2018, Zhounan Dong (Ph.D), National Graduate Scholarship of Ministry of Finance & Education, China
- 12/2018, Jiandong Liu (Ph.D), National Graduate Scholarship of Ministry of Finance & Education, China
- 06/2018, Ke Su (M.Sc), Outstanding Student of University of Chinese Academy of Sciences, Beijing, China
- 06/2018, Zhounan Dong (Ph.D), Outstanding Student Model of University of Chinese Acad. of Sci., China
- 06/2018, Liangliang Yuan (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 06/2018, Xiaodong Qian (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 06/2018, Jiandong Liu (Ph.D), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 12/2017, Xiaodong Qian (M.Sc), National Graduate Scholarship of Ministry of Finance & Education, China
- 09/2017, Xiaodong Qian (M.Sc), President Excellent Award of Chinese Academy of Sciences, China
- 06/2017, Andres Calabia (Ph.D), Excellent International Graduate of Univ. Chinese Acad. Sci., China
- 06/2017, Junhai Li (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 06/2017, Jiandong Liu (Ph.D), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 06/2017, Xiaodong Qian (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 12/2016, Junhai Li (M.Sc), National Graduate Scholarship of Ministry of Finance and Education, China
- 06/2016, Junhai Li (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 06/2016, Junhai Li (M.Sc), Outstanding Student Leader of Shanghai Astron. Observatory, CAS, China
- 06/2016, Tengyu Zhang (Ph.D), Outstanding Student of Shanghai Astron. Observatory, CAS, China
- 06/2016, Yi Yang (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 12/2015, Tengyu Zhang (M.Sc), National Graduate Scholarship of Ministry of Finance & Education, China
- 06/2015, Fang Zou (M.Sc), Outstanding Student of Shanghai Astron. Observatory, CAS, China
- 12/2014, Rui Jin (Ph.D), National Graduate Scholarship of Ministry of Finance and Education, China
- 10/2014, Wei Yu (M.Sc), Excellent Paper of Hefei Univ. of Technology Graduate Forum, Hefei, China
- 06/2014, Fang Zou (M.Sc), Best Paper of Int. Workshop on Earth Observ. Remote Sens. Appl., China
- 05/2014, Xuerui Wu (Post-Doc), Best Presentation, Chinese Satellite Navigation Conference, China
- 05/2014, Lihua Wan (M.Sc), Outstanding Youth Paper, Chinese Satellite Navigation Conference, China
- 12/2013, Tengyu Zhang (M.Sc), National Graduate Scholarship of Ministry of Finance & Education, China
- 06/2013, Guiping Feng (Ph.D), Outstanding Student of Shanghai Astron. Observatory, CAS, China
- 06/2013, Rui Jin (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China
- 06/2013, Tengyu Zhang (M.Sc), Outstanding Student of Shanghai Astron. Observatory, CAS, China
- 12/2012, Guiping Feng (M.Sc), National Graduate Scholarship of Ministry of Finance & Education, China
- 07/2012, Nasser Najibi (M.Sc), Outstanding Foreign Student of Chinese Class (Spring), UCAS, China
- 06/2012, Guiping Feng (M.Sc), Outstanding Student of Shanghai Astronomical Observatory, CAS, China

VIII. PATENTS & COPYRIGHTS

Patents

- Wu, X.R., **S.G. Jin**, and X.L. Tao, A method and equipment of monitoring surface thawed state, China Patent, No. ZL 2014 1 0326132.3, 2016.
- Wu, X.R., and **S.G. Jin**, A remote sensing system and method of monitoring suspended solids and oil spill, China Patent, No. 201310393639.6, 2013.
- Wu, X.R., and **S.G. Jin**, A remote sensing system and monitoring method using communication satellite reflected signals, China Patent, No. 201310393653.6, 2013.

Software Copyrights

- **Jin, S.G.**, and T.Y. Zhang, Time-varying gravity field estimated from global continuous GNSS and satellite altimetry observations (TGGA) V1.0, Software Copyright, No. 2015SR001074, 2015.
- **Jin, S.G.**, X. L. Tao, and R. Jin, Global grid ionospheric model from GNSS observations (GGIM) V1.0, Software Copyright, No. 2014SR067844, 2014.
- **Jin, S.G.**, and T.Y. Zhang, Automatic recognition of impact craters on the Martian surface (ARIC) V1.0, Software Copyright, No. 2014SR011124, 2014.
- **Jin, S.G.**, and R. Jin, GNSS ionospheric inversion from radio occultation (GIRO) V1.0, Software Copyright, No. 2013SR108948, 2013.
- **Jin, S.G.**, and R. Jin, Estimate of GNSS satellite and receiver differential code biases (M_DCB) V1.0, Software Copyright, No. 2013SR068047, 2013.

IX. PUBLICATIONS

(Total >400 with over 4500 citations and H-index>40)

A) Books & Monographs

1. **Jin, S.G.**, X. Wu, and H. Qiu (2019), *Global Navigation Satellite System-Reflectometry: Principles and Applications*, National Defense Industry Press, Beijing, China, ISBN:, pp.
2. **Jin, S.G.**, R. Jin, and X. Liu (2019), *GNSS Atmospheric Seismology: Theory, Observations and Modelling*, Springer, Singapore, ISBN: 978-981-10-3176-2, 321pp.
3. **Jin, S.G.**, and R. Barzaghi (Eds.) (2016), *IAG Symposia Book Series: International Gravity Field Service General Assembly (IGFS2014)*, Shanghai, China, 30 June-6 July 2014, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-319-39819-8, 224pp.
4. **Jin, S.G.** (Ed.) (2015), *Satellite Positioning: Methods, Models and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1738-4, 212pp.
5. **Jin, S.G.**, N. Haghighipour, and W.-H. Ip (Eds.) (2015), *Planetary Exploration and Science: Recent Results and Advances*, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-662-45051-2, 340pp.
6. **Jin, S.G.** (Ed.) (2014), *Planetary Geodesy and Remote Sensing*, Taylor & Francis Group/CRC Press, Boca Raton, FL, USA, ISBN: 978-1-48-221488-8, 396 pp.
7. **Jin, S.G.**, E. Cardellach, and F. Xie (2014), *GNSS Remote Sensing: Theory, Methods and Applications*, Springer, Netherlands, ISBN: 978-94-007-7481-0, 276pp.
8. **Jin, S.G.** (Ed.) (2013), *Geodetic Sciences: Observations, Modeling and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1144-3, 344pp.
9. **Jin, S.G.** (Ed.) (2012), *Global Navigation Satellite Systems: Signal, Theory and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-307-843-4, 426pp.

B) Peer-reviewed Journal Papers

(SCI = Science Citation Index (ISI Journal); EI = Engineering Index)

2019

10. **Jin, S.G.**, and K. Su (2019), Co-seismic displacement and waveforms of the 2018 Alaska earthquake from high-rate GPS PPP velocity estimation, *J. Geodesy*. **(SCI)**
11. Su, K., and **S.G. Jin** (2019), Rapid displacement determination with a stand-alone multi-GNSS receiver: GPS, Beidou, GLONASS and Galileo, *GPS Solut.*, doi: 10.1007/s10291-019-0840-4. **(SCI)**
12. Peng, Q., and **S.G. Jin** (2019), Significant wave height estimation from space-borne Cyclone-GNSS Reflectometry, *Remote Sens.*, 11(5), 584, doi: 10.3390/rs11050584. **(SCI)**
13. Hui, Z.Y., D. Li, **S.G. Jin**, Y. Ziggah, L. Wang, and Y. Hu (2019), Automatic DTM extraction from airborne LiDAR based on expectation-maximization, *Opt. Laser Technol.*, 112, 43-55, doi: 10.1016/j.optlastec.2018.10.051. **(SCI)**
14. Marchetti, D., A. De Santis, S. D'Arcangelo, F. Poggio, **S.G. Jin**, A. Piscini, and S. Campuzano (2019), Magnetic field and electron density anomalies from Swarm satellites preceding the major earthquakes of the 2016-2017 Amatrice-Norcia (Central Italy) seismic sequence, *Pur. Appl. Geophys.*, doi: 10.1007/s00024-019-02138-y. **(SCI)**
15. Zhao, D, C. Hancock, G. Roberts, and **S.G. Jin** (2019), Cycle slip detection during high ionospheric activities based on three-frequency combined GNSS signals, *Remote Sens.*, 11(3), 250, doi: 10.3390/rs11030250. **(SCI)**
16. Su, K., **S.G. Jin**, and M. M. Hoque (2019), Evaluation of ionospheric delay effects on multi-GNSS positioning performance, *Remote Sens.*, 11(2), 171, doi: 10.3390/rs11020171. **(SCI)**

17. Shangguan M., W. Wang, and **S.G. Jin** (2019), Variability of temperature and ozone in the upper troposphere and lower stratosphere from multi-satellite observations and reanalysis data, *Atmos. Chem. Phys.*, 19, 6659–6679, doi: 10.5194/acp-19-6659-2019. **(SCI)**
18. Khan, A., and **S.G. Jin** (2019), Nature and origins of gravity waves in the Tibetan Plateau from COSMIC GPS RO and AIRS data, *J. Geophys. Res. Atmosphere*, doi: 10.1029/2016JD025785 27. **(SCI)**
19. Wang, Y., **S.G. Jin**, X. Sun, and F. Wang (2019), Winter weather regimes in Southeastern China and its intra-seasonal variations, *Atmosphere*, 10(5), 271, doi: 10.3390/atmos10050271. **(SCI)**
20. Tian, X., and **S.G. Jin** (2019), Evapotranspiration variations in the Yangtze River Basin from multi-satellite remote sensing data, *J. Water Clim. Change*, doi: 10.2166/wcc.2018.104. **(SCI)**
21. Wu, X.R., and **S.G. Jin** (2019), A simulation study of GNSS-R polarimetric scattering from the bare soil surface based on the AIEM model, *Adv. Meteorol.*, Vol. 2019, Article ID 3647473, 9, doi: 10.1155/2019/3647473. **(SCI)**
22. Tian, X., F. Zou, and **S.G. Jin** (2019), Impact of climate change and human activities on water storage changes in the Yangtze River Basin, *J. Geod. Geodyn.*, 39(4), 371-376, doi: 10.14075/j.jgg.2019.04.008.
23. Zou, F., R. Tenzer, and **S.G. Jin** (2019), Water storage variations in Tibet from GRACE, ICESat, and hydrological data, *Remote Sens.*, 11(9), 1103, doi: 10.3390/rs11091103. **(SCI)**
24. Huang, M.M, and **S.G. Jin** (2019), A methodology for simple 2-D inundation analysis in urban area using SWMM and GIS, *Nat. Hazards*, doi: 10.1007/s11069-019-03623-2. **(SCI)**
25. Li, Y.W., J. Chen, H. Zhang, and **S.G. Jin** (2019), Diurnal variations of aerosol radiative effect under haze weather condition using GOCI data-A case study of Yangtze River Delta, *Chin. Environ. Sci.*, 39(2), 497-505. **(EI)**
26. Wu, X.R., and **S.G. Jin** (2019), Theoretical DDM modeling of GNSS-R fully polarization land surface geophysical parameters, *ACTA Geod. Cartograph. Sin.* **(EI)**
27. Yuan, L., **S.G. Jin**, and A. Calabia (2019), Distinct thermospheric mass density variations following the September 2017 geomagnetic storm from GRACE and Swarm, *J. Atmos. Sol-Terr. Phys.*, 184, 30-36, doi: 10.1016/j.jastp.2019.01.007. **(SCI)**
28. Liu, Y.H., and **S.G. Jin** (2019), Ionospheric Rayleigh wave disturbances following the 2018 Alaska earthquake from GPS observations, *Remote Sens.*, 11(8), 901, doi: 10.3390/rs11080901. **(SCI)**
29. Calabia, A. and **S.G. Jin** (2019), Solar-flux and asymmetric dependencies of GRACE-derived thermospheric neutral density disturbances due to geomagnetic and solar wind forcing, *Space Weather*, doi: 10.1029/2019SW002188. **(SCI)**
30. Akhoondzadeh, M., A. De Santis, D. Marchetti, A. Piscini, and **S.G. Jin** (2019), Anomalous seismo-LAI variations potentially associated with the 2017 Mw=7.3 Sarpol-e Zahab (Iran) earthquake from Swarm satellites, GPS-TEC and climatological data, *Adv. Space Res.*, doi: 10.1016/j.asr.2019.03.020. **(SCI)**
31. Shah, M., M. A. Tariq, J. Ahmad, N. A. Naqvi, and **S.G. Jin** (2019), Seismic ionospheric anomalies before the 2019 Mw=7.7 Chile earthquake from GPS TEC and DEMETER, *J. Geodyn.*, doi: 10.1016/j.jog.2019.05.004. **(SCI)**
32. Wan, X., J. Ran, and **S.G. Jin** (2019), Sensitivity analysis of gravity anomalies and vertical gravity gradient data for bathymetry inversion, *Mar. Geophys. Res.*, 40(1), 87-96, doi: 10.1007/s11001-018-9361-8. **(SCI)**
33. Khan, M., Y. Liu, and **S.G. Jin** (2019), Geodynamic Evolution of the offshore Indus Basin Pakistan: the western Indian Plate Passive Continental Margin, *Geophys. J. Int.* **(SCI)**
34. Liu, J., and **S.G. Jin** (2019), Seasonal variations and global wave distributions of Martian thermosphere from multi-satellite Accelerometer-derived mass densities, *J. Geophys. Res. Space Physics*, doi: 10.1029/2019JA026720. **(SCI)**
35. Zhong, Z., J. Yan, **S.G. Jin**, M. Zhu, J. A. Rodriguez, H. Zhu, and Y. Li (2019), Selenophysical parameters inversion in the Lunar Southern Hemisphere Highland based on mutant particle swarm optimization, *Phys. Earth Planet. Inter.*, 292, 55-66, doi: 10.1016/j.pepi.2019.05.001. **(SCI)**

2018

36. **Jin, S.G.**, X. Liu, and R. Jin (2018), Two-mode ionospheric disturbances following the 2005 Northern California offshore earthquake from GPS measurements, *J. Geophys. Res. Space Physics*, 123(10), 8587-8598, doi: 10.1029/2017JA025001. **(SCI)**
37. **Jin, S.G.**, A. Calabria, and L.L. Yuan (2018), Thermospheric variations from GNSS and accelerometer measurements on small satellites, *Proc. IEEE*, 106(3), 484-495, doi: 10.1109/JPROC.2018.2796084. **(SCI)**
38. Wu, X.R., **S.G. Jin**, and L. Chang (2018), Monitoring bare soil freeze-thaw process using GPS-Interferometric Reflectometry: Simulation and validation, *Remote Sens.*, 10(1), 14, doi: 10.3390/rs10010014. **(SCI)**
39. Dong, Z.N., and **S.G. Jin** (2018), 3-D water vapor tomography in Wuhan from GPS, BDS and GLONASS observations, *Remote Sens.*, 10(1), 62, doi: 10.3390/rs10010062. **(SCI)**
40. Zhang, Q.Y., and **S.G. Jin** (2018), Application of GNSS SNR data in detection of volcanic plume, *J. Navig. Posit.*, 6(1), 15-20, doi: 10.16547/j.cnki.10-1096.20180104.
41. Khan, A., and **S.G. Jin** (2018), Gravity wave activities in Tibet observed by COSMIC GPS radio occultation, *Geod. Geodyn.*, 9(6), 504-511, doi: 10.1016/j.geog.2018.09.009.
42. **Jin, S.G.**, and D. Li (2018), 3-D ionospheric tomography from dense GNSS observations based on an improved two-step iterative algorithm, *Adv. Space Res.*, 62(4), 809-820, doi: 10.1016/j.asr.2018.05.032. **(SCI)**
43. Su, K., and **S.G. Jin** (2018), Improvement of multi-GNSS precise point positioning performances with real meteorological data, *J. Navig.*, 71(6), 1363-1380, doi: 10.1017/S0373463318000462. **(SCI)**
44. Okoh, D., S. Onwuneme, G. Seemala, **S.G. Jin**, B. Rabiou, B. Nava, and J. Uwamahoro (2018), Assessment of the NeQuick-2 and IRI-Plas 2017 models using global and long-term GNSS measurements, *J. Atmos. Sol.-Terr. Phys.*, 170, 1-10, doi: 10.1016/j.jastp.2018.02.006. **(SCI)**
45. **Jin, S.G.**, and J. Helbert (2018), New advances in interdisciplinary observation and understanding of the Solar system, *Planet. Space Sci.*, 163, 1-4, doi: 10.1016/j.pss.2018.10.005. **(SCI)**
46. Hu, H., **S.G. Jin**, R. Kang, and X. Cao (2018), BeiDou code pseudorange precision estimation and time correlation analysis from Trimble Net-R9 and ComNav 708 receivers, *Remote Sens.*, 10(7), 1083, doi: 10.3390/rs10071083. **(SCI)**
47. Zhang, W., X. Zhao, **S.G. Jin**, and J. Li (2018), Ionospheric disturbances following the March 2015 geomagnetic storm from continuous GPS observations in China, *Geod. Geodyn.*, 9(4), 288-295, doi: 10.1016/j.geog.2018.02.001.
48. Shah, M., and **S.G. Jin** (2018), Pre-seismic ionospheric anomalies of the 2013 Mw=7.7 Pakistan earthquake from GPS and COSMIC observations, *Geod. Geodyn.*, 9(5), 378-387, doi: 10.1016/j.geog.2017.11.008.
49. Zheng, Z.J., **S.G. Jin**, and L. Fan (2018), Co-seismic deformation following the 2007 Bengkulu earthquake constrained by GRACE and GPS observations, *Phys. Earth Planet. Inter.*, 280, 20-31, doi: 10.1016/j.pepi.2018.04.009. **(SCI)**
50. Liu, J., and **S.G. Jin** (2018), Evaluation of Mars probe positioning using X-ray pulsars, celestial, gravity-aided and ground-based measurements, *Planet. Space Sci.*, 163, 14-34, doi: 10.1016/j.pss.2018.06.014. **(SCI)**
51. Yan, J., X. Yang, M. Ye, T. Andert, W. Jin, F. Li, **S.G. Jin**, J.-P. Barriot (2018), Assessment of Phobos gravity field determination from both near polar and near equatorial orbital flyby data, *Mon. Not. R. Astron. Soc.*, 481(4), 4361-4371, doi: 10.1093/mnras/sty2559. **(SCI)**
52. Barkin, Y., J. Ferrandiz, **S.G. Jin**, and M. Barkin (2018), Cassini's motions of the Moon and Mercury and possible excitations of free librations, *Geod. Geodyn.*, 9(6), 474-484, doi: 10.1016/j.geog.2018.01.005.
53. Yan, J., X. Yang, M. Ye, F. Li, **S.G. Jin**, W. Jin, J. Barriot, and H. Li (2018), New tracking modes and performance for Mars spacecraft orbit determination and lander positioning, *Planet. Space Sci.*, 163, 5-13, doi: 10.1016/j.pss.2018.01.008. **(SCI)**
54. Liu, J., E. Wei, **S.G. Jin**, and J. Liu (2018), Absolute navigation and positioning of Mars rover using gravity-aided

dead-reckoned odometry, *J. Navig.*, 71(3), 530-546, doi: 10.1017/S0373463317000893. (SCI)

2017

55. **Jin, S.G.**, R. Jin, and D. Li (2017), GPS detection of ionospheric Rayleigh wave and its source following the 2012 Haida Gwaii earthquake, *J. Geophys. Res. Space Physics*, 122(1), 1360-1372, doi: 10.1002/2016JA023727. (SCI)
56. **Jin, S.G.**, T.Y. Zhang, and F. Zou (2017), Glacial density and GIA in Alaska estimated from ICESat, GPS and GRACE measurements, *J. Geophys. Res. Earth Surface*, 122(1), 76-90, doi: 10.1002/2016JF003926. (SCI)
57. **Jin, S.G.**, R. Jin, and H. Kutoglu (2017), Positive and negative ionospheric responses to the March 2015 geomagnetic storm from BDS observations, *J. Geodesy*, 91(6), 613-626, doi: 10.1007/s00190-016-0988-4. (SCI)
58. Wu, X.R., **S.G. Jin**, and J. Xia (2017), A forward GPS multipath simulator based on the vegetation radiative transfer equation model, *Sensors*, 17(6), 1291, doi: 10.3390/s17061291. (SCI)
59. **Jin, S.G.**, X.D. Qian, and X. Wu (2017), Sea level change from BeiDou Navigation Satellite System-Reflectometry (BDS-R): First results and evaluation, *Global Planet. Change*, 149, 20-25, doi: 10.1016/j.gloplacha.2016.12.010. (SCI)
60. Wu, X.R., **S.G. Jin**, Q. Zhang, and Y. Dong (2017), Theoretical study for bare soil Delay Doppler Map based on GNSS+R, *J. Geod. Geodyn.*, 37(1), 89-92, doi: 10.14075/j.jgg.2017.01.020.
61. **Jin, S.G.** (2017), BeiDou Navigation Satellite System (BDS)/GNSS+: Recent progress and new applications, *Adv. Space Res.*, 59(3), 751-752, doi: 10.1016/j.asr.2016.12.007. (SCI)
62. Gurbuz, G., and **S.G. Jin** (2017), Long-time variations of Precipitable Water Vapor estimated from GPS, MODIS and Radiosonde observations in Turkey, *Int. J. Climatol.*, 37(15), 5170-5180, doi: 10.1002/joc.5153. (SCI)
63. Li, J.H., and **S.G. Jin** (2017), High-order ionospheric effects on electron density estimation from Fengyun-3C GPS radio occultation, *Ann. Geophys.*, 35(3), 403-411, doi: 10.5194/angeo-35-403-2017. (SCI)
64. **Jin, S.G.**, Q.Y. Zhang, and X. Qian (2017), New progress and application prospects of Global Navigation Satellite System Reflectometry (GNSS+R), *ACTA Geod. Cartograph. Sin.*, 46(10), 1389-1398, doi: 10.11947/j.AGCS.2017.20170282. (EI)
65. Calabia, A., and **S.G. Jin** (2017), Thermospheric density estimation and responses to the March 2013 geomagnetic storm from GRACE GPS-determined precise orbits, *J. Atmos. Sol.-Terr. Phys.*, 154, 167-179, doi: 10.1016/j.jastp.2016.12.011. (SCI)
66. Yu, W., **S.G. Jin**, F. Gao, and X. Li (2017), Establishment and analysis of solar radiation pressure model for complex structure satellites, *Geomatic & Info. Sci. Wuhan Uni.*, 42(6), 817-824, doi: 10.13203/j.whugis20140960. (EI)
67. Li, R., J. Lei, X. Wang, X. Dou, and **S.G. Jin** (2017), Thermospheric mass density derived from CHAMP satellite precise orbit determination data based on energy balance method, *Sci. China Earth Sci.*, 60(8), 1495-1506, doi: 10.1007/s11430-016-9052-1. (SCI)
68. **Jin, S.G.** (2017), BeiDou Navigation Satellite System (BDS)/GNSS+: New developments and emerging applications, *Adv. Space Res.*, 60(12), 2519, doi: 10.1016/j.asr.2017.11.021. (SCI)
69. Zhang, X.G., **S.G. Jin**, and X. Lu (2017), Global surface mass variations from continuous GPS coordinates and satellite altimetry sea level anomaly data, *Remote Sens.* 9(10), 1000, doi: 10.3390/rs9101000. (SCI)
70. Avsar, N., **S.G. Jin**, H. Kutoglu, and G. Gurbuz (2017), Vertical land motion along the Black Sea coast from Satellite Altimetry, Tide Gauges and GPS, *Adv. Space Res.*, 60(12), 2871-2881, doi: 10.1016/j.asr.2017.08.012. (SCI)
71. Pulvirenti, F., M. Aloisi, and **S.G. Jin** (2017), Time-dependent Coulomb stress changes induced by the 2002-2003 Etna magmatic intrusions and implications on following seismic activities, *J. Volcanol. Geotherm. Res.*, 344, 185-196, doi: 10.1016/j.jvolgeores.2016.11.001. (SCI)
72. Ahadov, B., and **S.G. Jin** (2017), Present-day kinematics in the Eastern Mediterranean and Caucasus from dense GPS observations, *Phys. Earth Planet. Inter.*, 268, 54-64, doi: 10.1016/j.pepi.2017.05.003. (SCI)

73. Aloisi, M., **S.G. Jin**, F. Pulvirenti, and A. Scaltrito (2017), The December 2015 Mount Etna eruption: an analysis of inflation/deflation phases and faulting processes, *J. Geodyn.*, 107, 34-45, doi: 10.1016/j.jog.2017.03.003. **(SCI)**
74. Liu, J.D., E. Wei, and **S.G. Jin** (2017), Mars cruise orbit determination from combined optical celestial techniques and X-ray pulsars, *J. Navig.*, 70(4), 719-734, doi: 10.1017/S0373463316000874. **(SCI)**

2016

75. **Jin, S.G.**, and T.Y. Zhang (2016), Terrestrial water storage anomalies associated with drought in Southwestern USA derived from GPS observations, *Surv. Geophys.*, 37(6), 1139-1156, doi: 10.1007/s10712-016-9385-z. **(SCI)**
76. **Jin, S.G.**, X.D. Qian, and H. Kutoglu (2016), Snow depth variations estimated from GPS-Reflectometry: A case study in Alaska from L2P SNR data, *Remote Sens.*, 8(1), 63, doi: 10.3390/rs8010063. **(SCI)**
77. Calabia, A., and **S.G. Jin** (2016), New modes and mechanisms of thermospheric mass density variations from GRACE accelerometers, *J. Geophys. Res. Space Physics*, 121(11), 11191-11212, doi: 10.1002/2016JA022594. **(SCI)**
78. Zhang, T.Y., and **S.G. Jin** (2016), Evapotranspiration variations in the Mississippi River Basin estimated from GPS observations, *IEEE Trans. Geosci. Remote Sens.*, 54(8), 4694-4701, doi: 10.1109/TGRS.2016.2549364. **(SCI)**
79. **Jin, S.G.**, R. Jin, and D. Li (2016), Assessment of BeiDou differential code biases variations from multi-GNSS network observations, *Ann. Geophys.*, 34(2), 259-269, doi: 10.5194/angeo-34-259-2016. **(SCI)**
80. Zhou, J., W. Sun, **S.G. Jin**, H. Sun, and J. Xu (2016), Rotation change in the orientation of the center-of-figure frame caused by large earthquake, *Geophys. J. Int.*, 206(2), 999-1008, doi: 10.1093/gji/ggw182. **(SCI)**
81. Qian, X.D., and **S.G. Jin** (2016), Estimation of snow depth from GLONASS SNR and phase-based multipath reflectometry, *IEEE J. Sel. Topics Appl. Earth. Observ. Remote Sens.*, 9(10), 4817-4823, doi: 10.1109/JSTARS.2016.2560763. **(SCI)**
82. Zhao, X., **S.G. Jin**, C. Mekik and J. Feng (2016), Evaluation of regional ionospheric grid model over China from dense GPS observations, *Geod. Geodyn.*, 7(5), 361-368, doi: 10.1016/j.geog.2016.04.011.
83. **Jin, S.G.**, X. Tian, and G. Feng (2016), Recent glaciers changes in the Tien Shan Mountains observed by satellite gravity measurements, *Global Planet. Change*, 143, 81-87, doi: 10.1016/j.gloplacha.2016.06.006. **(SCI)**
84. Gurbuz, G., and **S.G. Jin** (2016), Evaluation of ocean tide loading effects on GPS-estimated Precipitable Water Vapor (PWV) in Turkey, *Geod. Geodyn.*, 7(1), 32-38, doi: 10.1016/j.geog.2015.12.008.
85. Khan, A., and **S.G. Jin** (2016), Effect of gravity waves on the tropopause temperature, height and water vapor in Tibet from COSMIC GPS Radio Occultation observations, *J. Atmos. Sol.-Terr. Phys.*, 138-139, 23-31, doi: 10.1016/j.jastp.2015.12.001. **(SCI)**
86. Avsar, N., **S.G. Jin**, H. Kutoglu, and G. Gurbuz (2016), Sea level change along the Black Sea coast from Satellite Altimetry, Tide Gauge and GPS observations, *Geod. Geodyn.*, 7(1), 50-55, doi: 10.1016/j.geog.2016.03.005.
87. Hui, Z., Y. Hu, **S.G. Jin**, and Y. Yevenyo (2016), Road centerline extraction from airborne LiDAR point cloud based on hierarchical fusion and optimization, *ISPRS J. Photogramm. Remote Sens.*, 118, 22-36, doi: 10.1016/j.isprsjprs.2016.04.003. **(SCI)**
88. Zhou, Y., **S.G. Jin**, R. Tenzer, and J. Feng (2016), Water storage variations in the Poyang Lake basin estimated from GRACE and Satellite Altimetry, *Geod. Geodyn.*, 7(2), 108-116, doi: 10.1016/j.geog.2016.04.003.
89. Zou, F., and **S.G. Jin** (2016), Effect and correction of leakage errors in Antarctic glacier mass change from GRACE, *J. Geod. Geodyn.*, 36(7), 639-644.
90. **Jin, S.G.**, M. Abd-Elbaky and G. Feng (2016), Accelerated ice-sheet mass loss in Antarctica from 18-year satellite laser ranging measurements, *Ann. Geophys.*, 59(1), S0101, doi: 10.4401/ag-6782. **(SCI)**
91. Hassan, A., and **S.G. Jin** (2016), Water storage changes and balances in Africa observed by satellite gravimetry and hydrologic models, *Geod. Geodyn.*, 7(1), 39-49, doi: 10.1016/j.geog.2016.03.002.
92. Wei, E., Z. Li, C. Dong, J. Liu, and **S.G. Jin** (2016), Improvement of CE-3 Lander positioning and lunar libration parameters estimation based on VLBI observation, *Bull. Surv. Mapp.*, 8, 1-5, doi:

10.13474/j.cnki.11-2246.2016.0244.

93. Wei, E., W. Liu, J. Wei, **S.G. Jin**, and J. Liu (2016), Estimation of Earth rotation parameters and Δ LOD with combining GPS and VLBI observations, *Geomatic & Info. Sci. Wuhan Uni.*, 41(1), 66-71, doi: 10.13203/j.whugis20130435. **(EI)**
94. Yang, Y., **S.G. Jin**, and Y. Xue (2016), Identification and geological evolution of hydrated minerals at Holden and Jezero Impact Craters, Mars using MRO CRISM hyperspectral data, *J. Deep Space Explor.*, 3(2), 187-194, doi: 10.15982/j.issn.2095-7777.2016.02.015.
95. Wei, E., X. Li, **S.G. Jin**, and J. Liu (2016), Effect of lunar gravity models on Chang'E-2 orbit determination using VLBI tracking data, *Geod. Geodyn.*, 7(6), 406-415, doi: 10.1016/j.geog.2016.09.001.
96. Calabia, A., and **S.G. Jin** (2016), Assessment of conservative force models from GRACE accelerometers and precise orbit determination, *Aerosp. Sci. Technol.*, 49, 80-87, doi: 10.1016/j.ast.2015.11.034. **(SCI)**
97. Wei, E., S. Tang, **S.G. Jin**, and J. Liu (2016), Positioning results of lunar rover based on combined VLBI and Celestial Navigation, *J. Geod. Geodyn.*, 36(8), 703-707.

2015

98. **Jin, S.G.**, G. Occhipinti, and R. Jin (2015), GNSS ionospheric seismology: Recent observation evidences and characteristics, *Earth-Sci. Rev.*, 147, 54-64, doi: 10.1016/j.earscirev.2015.05.003. **(SCI)**
99. Najibi, N., **S.G. Jin**, and X.R. Wu (2015), Validating the variability of snow accumulation and melting from GPS-Reflected signals: Forward modeling, *IEEE Trans. Antennas Propag.*, 63(6), 2646-2654, doi: 10.1109/TAP.2015.2414950. **(SCI)**
100. Zhang, Y., J. Yan, F. Li, C. Chen, B. Mei, **S.G. Jin**, and J. Dohm (2015), A new bound constraint method for 3D potential field data inversion using Lagrangian multipliers, *Geophys. J. Int.*, 201(1), 267-275, doi: 10.1093/gji/ggv016. **(SCI)**
101. **Jin, S.G.**, and F. Zou (2015), Re-estimation of glacier mass loss in Greenland from GRACE with correction of land-ocean leakage effects, *Global Planet. Change*, 135, 170-178, doi: 10.1016/j.gloplacha.2015.11.002. **(SCI)**
102. Chang, L., G. Gao, **S.G. Jin**, X. He, R. Xiao, and L. Guo (2015), Calibration and evaluation of precipitable water vapor from MODIS infrared observations at night, *IEEE Trans. Geosci. Remote Sens.*, 53(5), 2612-2620, doi: 10.1109/TGRS.2014.2363089. **(SCI)**
103. Shah, M., and **S.G. Jin** (2015), Statistical characteristics of seismo-ionospheric GPS TEC disturbances prior to global $M_w \geq 5.0$ earthquakes (1998-2014), *J. Geodyn.*, 92, 42-49, doi: 10.1016/j.jog.2015.10.002. **(SCI)**
104. Dang, Y., J. Cao, J. Li, **S.G. Jin**, Y. Feng, H. Wang, and X. Wu (2015), Research advances in BDS/GNSS Navigation Applications, *J. Satellite Navig.*, 3(2), 1-9.
105. Tenzer, R., M. Eshagh, and **S.G. Jin** (2015), Martian sub-crustal stress from gravity and topographic models, *Earth Planet. Sci. Lett.*, 425, 84-92, doi: 10.1016/j.epsl.2015.05.049. **(SCI)**
106. Tan, X., J. Wang, **S.G. Jin**, and X.L. Meng (2015), GA-SVR and pseudo-position-aided GPS/INS integration during GPS outage, *J. Navig.*, 68(4), 678-696, doi: 10.1017/S037346331500003X. **(SCI)**
107. Wei, E., **S.G. Jin**, L. Wan, W. Liu, Y. Yang, and Z. Hu (2015), High frequency variations of Earth Rotation Parameters from GPS and GLONASS Observations, *Sensors*, 15(2), 2944-2963, doi: 10.3390/s150202944. **(SCI)**
108. Tenzer, R., W. Chen, D. Tsoulis, M. Bagherbandi, L. Sjöberg, P. Novak, and **S.G. Jin** (2015), Analysis of the refined CRUST1.0 crustal model and its gravity field, *Surv. Geophys.*, 36(1), 139-165, doi: 10.1007/s10712-014-9299-6. **(SCI)**
109. Wei, E., X. Li, **S.G. Jin**, and J. Liu (2015), Effects of different lunar gravity field models on Chang'E-3 orbit, *J. Geomatics*, 40(6), 7-10, doi: 10.14188/j.2095-6045.2015.06.002.
110. Tenzer, R., W. Chen, and **S.G. Jin** (2015), Effect of the upper mantle density structure on the Moho geometry, *Pure Appl. Geophys.*, 172(6), 1563-1583, doi: 10.1007/s00024-014-0960-2. **(SCI)**

111. Wei, E., X. Li, **S.G. Jin**, and J. Liu (2015), Mission orbit determination and analysis of CE-2 with VLBI, *J. Geomatics*, 40(4), 6-9, doi: 10.14188/j.2095-6045.2015.04.002.
112. Calabia, A., **S.G. Jin**, and R. Tenzer (2015), A new GPS-based calibration of GRACE accelerometers using the arc-to-chord threshold uncovered sinusoidal disturbing signal, *Aerosp. Sci. Technol.*, 45, 265-271, doi: 10.1016/j.ast.2015.05.013. **(SCI)**
113. Wei, E., W. Yan, **S.G. Jin**, J. Wei, H. Kutoglu, X. Li, J. Adam, S. Frey, and J. Liu (2015), Contribution of simulated space VLBI to the Chang'E-1 orbit determination and EOPs estimation, *Aerosp. Sci. Technol.*, 46, 256-263, doi: 10.1016/j.ast.2015.07.016. **(SCI)**
114. Li, F., J. Yan, L. Xu, **S.G. Jin**, J. Rodriguez, and J. Dohm (2015), A 10 km-resolution gravity field model of Venus based on topography, *Icarus*, 247, 103-111, doi: 10.1016/j.icarus.2014.09.052. **(SCI)**

2014

115. **Jin, S.G.**, R. Jin, and J.H. Li (2014), Pattern and evolution of seismo-ionospheric disturbances following the 2011 Tohoku earthquakes from GPS observations, *J. Geophys. Res. Space Physics*, 119(9), 7914-7927, doi: 10.1002/2014JA019825. **(SCI)**
116. **Jin, S.G.**, and X.G. Zhang (2014), A Tikhonov regularization method for estimating Earth's oblateness variations from global GPS observations, *J. Geodyn.*, 79, 23-29, doi: 10.1016/j.jog.2014.04.011. **(SCI)**
117. Chang, L., **S.G. Jin**, and X. He (2014), Assessment of InSAR atmospheric correction using both Moderate Resolution Imaging Spectroradiometer Near-Infrared and Infrared water vapor products, *IEEE Trans. Geosci. Remote Sens.*, 52(9), 5726-5735, doi: 10.1109/TGRS.2013.2292070. **(SCI)**
118. **Jin, S.G.**, G.P. Feng, and O. Anderson (2014), Errors of mean dynamic topography and geostrophic currents estimates in China's Marginal Sea from GOCE and satellite altimetry, *J. Atmos. Ocean. Tech.*, 31(11), 2544-2555, doi: 10.1175/JTECH-D-13-00243.1. **(SCI)**
119. Zhang, X.G., and **S.G. Jin** (2014), Uncertainties and effects on geocenter motion estimation from global GPS observations, *Adv. Space Res.*, 54(1), 59-71, doi: 10.1016/j.asr.2014.03.021. **(SCI)**
120. Dang, Y., C. Shi, **S.G. Jin**, H. Jin, and H. Wang (2014), Research advances in BDS/GNSS Navigation Applications, *J. Satellite Navig.*, 2(6), 1-6.
121. Wu, X.R., and **S.G. Jin** (2014), GNSS-Reflectometry: Forest canopies polarization scattering properties and modeling, *Adv. Space Res.*, 54(5), 863-870, doi: 10.1016/j.asr.2014.02.007. **(SCI)**
122. **Jin, S.G.** (2014), Recent progresses on Beidou/COMPASS and other Global Navigation Satellite Systems (GNSS) - II, *Adv. Space Res.*, 54(5), 809-810, doi: 10.1016/j.asr.2014.05.024. **(SCI)**
123. Nayak, C., V. Yadav, B. Kakad, S. Sripathi, K. Emperumal, T. Pant, A. Bhattacharyya, and **S.G. Jin** (2014), Peculiar features of ionospheric F3-layer during prolonged solar minimum (2007-2009), *J. Geophys. Res. Space Physics*, 119(10), 8685-8697, doi: 10.1002/2014JA020135. **(SCI)**
124. Wei, E., L. Yang, **S.G. Jin**, and J.N. Liu (2014), Improvement of LS_AR model and long-term forecast of Polar Motion, *J. Geomatics*, 39(4), 5-9.
125. **Jin, S.G.**, and N. Najibi (2014), Sensing snow height and surface temperature variations in Greenland from GPS reflected signals, *Adv. Space Res.*, 53(11), 1623-1633, doi: 10.1016/j.asr.2014.03.005. **(SCI)**
126. Hassan, A.A., and **S.G. Jin** (2014), Lake level change and total water discharge in the East Africa Rift Valley from satellite-based observations, *Global Planet. Change*, 117, 79-90, doi: 10.1016/j.gloplacha.2014.03.005. **(SCI)**
127. Feng, G.P., **S.G. Jin**, and J.M. Sanchez Reales (2014), Global ocean surface geostrophic currents estimated from Satellite Altimetry, GOCE and GRACE, *Acta Oceanol Sin.*, 36(9), 45-55, doi: 10.3969/j.issn.0253-4193.2014.09.006.
128. **Jin, S.G.**, and T.Y. Zhang (2014), Automatic detection of impact craters on Mars using a modified adaboosting method, *Planet. Space Sci.*, 99, 112-117, doi: 10.1016/j.pss.2014.04.021. **(SCI)**
129. Wei, E., L. Wan, **S.G. Jin**, and J.N. Liu (2014), ERPs estimation with the combined observations of GNSS and

SLR, *Geomatic & Info. Sci. Wuhan Uni.*, 39(5), 581-585, doi: 10.13203/j.whugis20120213. (EI)

130. **Jin, S.G.**, and Y. Yang (2014), Mineralogical characterization of Martian Jezero crater from MRO CRISM hyperspectral images, *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XL-4, 117-119, doi: 10.5194/isprsarchives-XL-4-117-2014.
131. Zhang, T.Y., **S.G. Jin**, and H.T. Cui (2014), Automatic detection of Martian impact craters based on digital elevation model, *J. Deep Space Explor.*, 1(2), 123-127.
132. Pulvirenti, F., **S.G. Jin**, and M. Aloisi (2014), An adjoint-based FEM optimization of coseismic displacements following the 2011 Tohoku earthquake: New insights for the limits of the upper plate rebound, *Phys. Earth Planet. Inter.*, 237, 25-39, doi: 10.1016/j.pepi.2014.09.003. (SCI)

2013

133. **Jin, S.G.**, and G.P. Feng (2013), Large-scale variations of global groundwater from satellite gravimetry and hydrological models, 2002-2012, *Global Planet. Change*, 106, 20-30, doi: 10.1016/j.gloplacha.2013.02.008. (SCI)
134. **Jin, S.G.**, T. van Dam, and S. Wdowinski (2013), Observing and understanding the Earth system variations from space geodesy, *J. Geodyn.*, 72, 1-10, doi: 10.1016/j.jog.2013.08.001. (SCI)
135. Wei, E., **S.G. Jin**, H. Yang, X. Li, H. Gu, Z. Li, J. Li, K. Matsumoto, and J. Liu (2013), Simulation and results on real-time positioning of Chang'E-3 rover with the same-beam VLBI observations, *Planet. Space Sci.*, 84, 20-27, doi: 10.1016/j.pss.2013.04.005. (SCI)
136. Wei, E., **S.G. Jin**, Q. Zhang, J. Liu, X. Li, and W. Yan (2013), Autonomous navigation of Mars probe using X-ray pulsars: Modeling and results, *Adv. Space Res.*, 51(5), 849-857, doi: 10.1016/j.asr.2012.10.009. (SCI)
137. **Jin, S.G.** (2013), Recent progresses on Beidou/COMPASS and other Global Navigation Satellite Systems (GNSS) - I, *Adv. Space Res.*, 51(6), 941, doi: 10.1016/j.asr.2012.12.007. (SCI)
138. Wei, E., W. Yan, **S.G. Jin**, J. Liu, and J. Cai (2013), Improvement of Earth orientation parameters estimate with Chang'E-1 Δ VLBI observations, *J. Geodyn.*, 72, 46-52, doi: 10.1016/j.jog.2013.04.001. (SCI)
139. Feng, G.P., **S.G. Jin**, and J. Sanchez Reales (2013), Antarctic circumpolar current from satellite gravimetric models ITG-GRACE2010, GOCE-TIM3 and satellite altimetry, *J. Geodyn.*, 72, 72-80, doi: 10.1016/j.jog.2013.08.005. (SCI)
140. Shi, C., **S.G. Jin**, Y.M. Dang, Y.M. Feng, H. Jin, and Q.X. Wang (2013), Research advances in BDS/GNSS Navigation Applications, *J. Satellite Navig.*, 1(3), 1-6.
141. **Jin, S.G.**, S. Arivazhagan, and H. Araki (2013), New results and questions of lunar exploration from SELENE, Chang'E-1, Chandrayaan-1 and LRO/LCROSS, *Adv. Space Res.*, 52(2), 285-305, doi: 10.1016/j.asr.2012.11.022. (SCI)
142. Zhang, T.Y., and **S.G. Jin** (2013), Estimates of glacial isostatic adjustment uplift rate in the Tibetan Plateau from GRACE and GIA models, *J. Geodyn.*, 72, 59-66, doi: 10.1016/j.jog.2013.05.002. (SCI)
143. Najibi, N., and **S.G. Jin** (2013), Physical reflectivity and polarization characteristics for snow and ice-covered surfaces interacting with GPS signals, *Remote Sens.*, 5(8), 4006-4030, doi: 10.3390/rs5084006. (SCI)
144. **Jin, S.G.** (2013), Preface: Advances and future objectives on lunar exploration and science, *Adv. Space Res.*, 52(2), 241-242, doi: 10.1016/j.asr.2013.03.030. (SCI)
145. Demyanov, V., Y. Yasyukevich, and S.G. Jin (2013), Controlling current conditions of navigation satellites' signal propagation, *Russian J. Sol.-Terr. Phys.*, 22, 35-40.
146. Feng, G.P., **S.G. Jin**, and T.Y. Zhang (2013), Coastal sea level changes in the Europe from GPS, Tide Gauge, Satellite Altimetry and GRACE, 1993-2011, *Adv. Space Res.*, 51(6), 1019-1028, doi: 10.1016/j.asr.2012.09.011. (SCI)

2012

147. **Jin, S.G.**, A.A. Hassan, and G.P. Feng (2012), Assessment of terrestrial water contributions to polar motion from GRACE and hydrological models, *J. Geodyn.*, 62, 40-48, doi: 10.1016/j.jog.2012.01.009. (SCI)

148. Demyanov, V., E. Afraimovich, and **S.G. Jin** (2012), An evaluation of potential solar radio emission power threat on GPS and GLONASS performance, *GPS Solut.*, 16(4), 411-424, doi: 10.1007/s10291-011-0241-9. (**SCI**)
149. **Jin, S.G.** (2012), Preface: Recent results on lunar exploration and science, *Adv. Space Res.*, 50(12), 1581-1582, doi: 10.1016/j.asr.2012.09.010. (**SCI**)
150. Zhang, L.J., **S.G. Jin**, and T.Y. Zhang (2012), Seasonal variations of Earth's surface loading deformation estimated from GPS and satellite gravimetry, *J. Geod. Geodyn.*, 32(2), 32-38.
151. Wei, H., **S.G. Jin**, and X. He (2012), Effects and disturbances on GPS-derived zenith tropospheric delay during the CONT08 campaign, *Adv. Space Res.*, 50(5), 632-641, doi: 10.1016/j.asr.2012.05.017. (**SCI**)
152. **Jin, S.G.**, and X.G. Zhang (2012), Variations and geophysical excitation of Earth's dynamic oblateness estimated from GPS, OBP, and GRACE, *Chin. Sci. Bull.*, 57(36), 3484-3492, doi: 10.1360/972011-1934. (**SCI**)
153. Sanchez-Reales, J., M. Vigo, **S.G. Jin**, and B. Chao (2012), Global surface geostrophic currents of ocean derived from satellite altimetry and GOCE geoid, *Mar. Geodesy*, 35(S1), 175-189, doi: 10.1080/01490419.2012.718696. (**SCI**)
154. Jin, R., **S.G. Jin**, and G.P. Feng (2012), M_DCB: Matlab code for estimating GNSS satellite and receiver differential code biases, *GPS Solut.*, 16(4), 541-548, doi: 10.1007/s10291-012-0279-3. (**SCI**)

2011

155. **Jin, S.G.**, L.J. Zhang, and B.D. Tapley (2011), The understanding of length-of-day variations from satellite gravity and laser ranging measurements, *Geophys. J. Int.*, 184(2), 651-660, doi: 10.1111/j.1365-246X.2010.04869.x. (**SCI**)
156. **Jin, S.G.**, G.P. Feng, and S. Gleason (2011), Remote sensing using GNSS signals: current status and future directions, *Adv. Space Res.*, 47(10), 1645-1653, doi: 10.1016/j.asr.2011.01.036. (**SCI**)
157. Afraimovich, E., A. Ishina, M. Tinin, Y. Yasyukevich, and **S.G. Jin** (2011), First evidence of anisotropy of GPS phase slips caused by the mid-latitude field-aligned ionospheric irregularities, *Adv. Space Res.*, 47(10), 1674-1680, doi: 10.1016/j.asr.2011.01.015. (**SCI**)
158. **Jin, S.G.**, C. Rizos, and A. Rius (2011), Sensing the Earth using global navigation satellite system signals, *Eos Trans. AGU*, 92(48), 444, doi: 10.1029/2011EO480006.
159. **Jin, S.G.**, L. Han, and J. Cho (2011), Lower atmospheric anomalies following the 2008 Wenchuan Earthquake observed by GPS measurements, *J. Atmos. Sol.-Terr. Phys.*, 73(7-8), 810-814, doi: 10.1016/j.jastp.2011.01.023. (**SCI**)

2010

160. **Jin, S.G.**, D.P. Chambers, and B.D. Tapley (2010), Hydrological and oceanic effects on polar motion from GRACE and models, *J. Geophys. Res.*, 115, B02403, doi: 10.1029/2009JB006635. (**SCI**)
161. **Jin, S.G.**, and A. Komjathy (2010), GNSS reflectometry and remote sensing: New objectives and results, *Adv. Space Res.*, 46(2), 111-117, doi: 10.1016/j.asr.2010.01.014. (**SCI**)
162. Wu, Y., **S.G. Jin**, Z. Wang, and J. Liu (2010), Cycle slip detection using multi-frequency GPS carrier phase observations: A simulation study, *Adv. Space Res.*, 46(2), 144-149, doi: 10.1016/j.asr.2009.11.007. (**SCI**)
163. **Jin, S.G.**, W.Y. Zhu, and E. Afraimovich (2010), Co-seismic ionospheric and deformation signals on the 2008 magnitude 8.0 Wenchuan Earthquake from GPS observations, *Int. J. Remote Sens.*, 31(13), 3535-3543, doi: 10.1080/01431161003727739. (**SCI**)
164. Afraimovich, E., F. Ding, V. Kiryushkin, E. Astafyeva, **S.G. Jin** and V. Sankov (2010), TEC response to the 2008 Wenchuan earthquake in comparison with other strong earthquakes, *Int. J. Remote Sens.*, 31(13), 3601-3613, doi: 10.1080/01431161003727747. (**SCI**)
165. **Jin, S.G.**, O.F. Luo, and C. Ren (2010), Effects of physical correlations on long-distance GPS positioning and zenith tropospheric delay estimates, *Adv. Space Res.*, 46(2), 190-195, doi: 10.1016/j.asr.2010.01.017. (**SCI**)

2009

166. **Jin, S.G.**, O.F. Luo, and S. Gleason (2009), Characterization of diurnal cycles in ZTD from a decade of global GPS

observations, *J. Geodesy*, 83(6), 537-545, doi: 10.1007/s00190-008-0264-3. (SCI)

167. **Jin, S.G.**, and O.F. Luo (2009), Variability and climatology of PWV from global 13-year GPS observations, *IEEE Trans. Geosci. Remote Sens.*, 47(7), 1918-1924, doi: 10.1109/TGRS.2008.2010401. (SCI)
168. Li, Z.C., P. Zhang, **S.G. Jin**, Z. Jiang, and Y. Wen (2009), Fault inversion and deformation of the 2008 Wenchuan earthquake from GPS observations, *ACTA Geod. Cartograph. Sin.*, 38(2), 108-113. (EI)
169. **Jin, S.G.**, O.F. Luo, and J. Cho (2009), Systematic errors between VLBI and GPS precipitable water vapor estimations from 5-year co-located measurements, *J. Atmos. Sol.-Terr. Phys.*, 71(2), 264-272, doi: 10.1016/j.jastp.2008.11.018. (SCI)

2008

170. **Jin, S.G.**, O.F. Luo, and P.H. Park (2008), GPS observations of the ionospheric F2-layer behavior during the 20th November 2003 geomagnetic storm over South Korea, *J. Geodesy*, 82(12), 883-892, doi: 10.1007/s00190-008-0217-x. (SCI)
171. **Jin, S.G.**, and J. Wang (2008), Spreading change of Africa-South America plate: Insights from space geodetic observations, *Int. J. Earth Sci.*, 97(6), 1293-1300, doi: 10.1007/s00531-007-0220-0. (SCI)
172. **Jin, S.G.**, and P.H. Park (2008), Tectonic activities and deformation in South Korea constrained by GPS observations, *Int. J. Geology*, 2(1), 11-15.
173. **Jin, S.G.**, Z. Li, and J. Cho (2008), Integrated water vapor field and multi-scale variations over China from GPS measurements, *J. Appl. Meteorol. Clim.*, 47(11), 3008-3015, doi: 10.1175/2008JAMC1920.1. (SCI)
174. **Jin, S.G.**, Y. Wu, R. Heinkelmann, and J. Park (2008), Diurnal and semidiurnal atmospheric tides observed by co-located GPS and VLBI measurements, *J. Atmos. Sol.-Terr. Phys.*, 70(10), 1366-1372, doi: 10.1016/j.jastp.2008.04.005. (SCI)

2007

175. **Jin, S.G.**, J. Park, J. Cho, and P. Park (2007), Seasonal variability of GPS-derived Zenith Tropospheric Delay (1994-2006) and climate implications, *J. Geophys. Res.*, 112, D09110, doi: 10.1029/2006JD007772. (SCI)
176. **Jin, S.G.**, P.H. Park, and W.Y. Zhu (2007), Micro-plate tectonics and kinematics in Northeast Asia inferred from a dense set of GPS observations, *Earth Planet. Sci. Lett.*, 257(3-4), 486-496, doi: 10.1016/j.epsl.2007.03.011. (SCI)
177. **Jin, S.G.**, and W.Y. Zhu (2007), Three-dimensional ionospheric profile imaging using ground-based GPS measurements, *J. Geod. Geodyn.*, 27(5), 49-53.
178. **Jin, S.G.**, J. Cho, and J. Park (2007), Ionospheric slab thickness and its seasonal variations observed by GPS, *J. Atmos. Sol.-Terr. Phys.*, 69(15), 1864-1870, doi: 10.1016/j.jastp.2007.07.008. (SCI)
179. **Jin, S.G.**, P. Park and J. Park (2007), Why is the South Korean peninsula largely aseismic? Geodetic evidences, *Curr. Science*, 93(2), 250-253. (SCI)
180. **Jin, S.G.**, and J.U. Park (2007), GPS ionospheric tomography: A comparison with the IRI-2001 model over South Korea, *Earth Planets Space*, 59(4), 287-292, doi: 10.1186/BF03353106. (SCI)

2006

181. **Jin, S.G.**, and P.H. Park (2006), Strain accumulation in South Korea inferred from GPS measurements, *Earth Planets Space*, 58(5), 529-534, doi: 10.1186/BF03351950. (SCI)
182. **Jin, S.G.**, J. Park, J. Wang, B. Choi, and P. Park (2006), Electron density profiles derived from ground-based GPS observations, *J. Navig.*, 59(3), 395-401, doi: 10.1017/S0373463306003821. (SCI)
183. **Jin, S.G.**, and P.H. Park (2006), Crustal stress and strain energy density rates in South Korea deduced from GPS observations, *Terr. Atmos. Ocean. Sci.*, 17(1), 169-178. (SCI)
184. **Jin, S.G.**, and P.H. Park (2006), Does the Southern Korean Peninsula belong to the Amurian plate? GPS observations, *Stud. Geophys. Geod.*, 50(4), 633-644, doi: 10.1007/s11200-006-0040-x. (SCI)
185. **Jin, S.G.**, Z.C. Li, and P.H. Park (2006), Seismicity and GPS constraints on crustal deformation in the southern part of the Korean Peninsula, *Geosci. J.*, 10(4), 491-497, doi: 10.1007/BF02910442. (SCI)

2005

186. **Jin, S.G.**, J. Wang, and P.H. Park (2005), An improvement of GPS height estimates: Stochastic modeling, *Earth Planets Space*, 57(4), 253-259, doi: 10.1186/BF03352561. **(SCI)**
187. **Jin, S.G.**, J. Wang, and C. Rizos (2005), Impacts of stochastic modelling on GPS-derived ZTD, *Geomatics Res. Aust.*, 81, 19-29.
188. **Jin, S.G.**, and P.H. Park (2005), A new precision improvement of zenith tropospheric delay estimates by GPS, *Curr. Science*, 89(6), 997-1000. **(SCI)**

2004

189. **Jin, S.G.**, and W.Y. Zhu (2004), A revision of the parameters of the NNR-NUVEL1A plate velocity model, *J. Geodyn.*, 38(1), 85-92, doi: 10.1016/j.jog.2004.03.004. **(SCI)**
190. **Jin, S.G.**, J. Wang, H.P. Zhang, and W.Y. Zhu (2004), Real-time monitoring and prediction of the total ionospheric electron content by means of GPS observations, *Chin. Astron. Astrophys.*, 28(3), 331-337, doi: 10.1016/j.chinastron.2004.07.008. **(SCI)**
191. Zhu, W.Y., H.P. Zhang, C. Huang, and **S.G. Jin** (2004), Monitoring of small-scale ionospheric heterogeneities using local GPS network, *Chin. J. Geophys.*, 47(6), 941-948. **(SCI)**
192. **Jin, S.G.**, and W.Y. Zhu (2004), Tectonic motion characteristics of the Earth planet: from 80 MaBP up to now, *Sci. China, Ser. G*, 47(3), 352-364, doi: 10.1360/03yw0113. **(SCI)**
193. **Jin, S.G.**, and W.Y. Zhu (2004), Space geodetic measurements of relative motion and deformation of the Pacific plate, *J. Geod. Geodyn.*, 23(z1), 50-53.

2003

194. **Jin, S.G.**, and W.Y. Zhu (2003), Active motion of tectonic blocks in Eastern Asia: Evidence from GPS measurements, *ACTA Geol. Sin.-Engl. Edn.*, 77(1), 59-63, doi: 10.1111/j.1755-6724.2003.tb00110.x. **(SCI)**
195. **Jin, S.G.**, and W.Y. Zhu (2003), A quantitative analysis of global tectonic asymmetry, *Chin. Astron. Astrophys.*, 28(3), 348-356, doi: 10.1016/S0275-1062(03)90058-0. **(SCI)**
196. **Jin, S.G.**, and W.Y. Zhu (2003), Construction and analysis of a kinematic model of the Asian tectonic blocks, *Chin. Astron. Astrophys.*, 28(3), 340-347, doi: 10.1016/S0275-1062(03)90057-9. **(SCI)**
197. **Jin, S.G.**, and W.Y. Zhu (2003), Quantitative analysis of the decelerating expansion in the Southern Hemisphere, *Chin. J. Geophys.*, 46(6), 760-766. **(SCI)**
198. **Jin, S.G.**, and W.Y. Zhu (2003), A new method to select geodetic stations for the kinematic plate motion model, *J. Geod. Geodyn.*, 23(3), 56-60.
199. **Jin, S.G.**, and W.Y. Zhu (2003), International Terrestrial Reference Frame: Current status and its future, *Prog. Astron.*, 21(3), 241-249.
200. **Jin, S.G.**, and W.Y. Zhu (2003), Compression of the Northern Hemisphere observed by space geodetic data, *ACTA Seismol. Sin.*, 16(1), 99-106, doi: 10.1007/s11589-003-0011-z.
201. **Jin, S.G.**, and W.Y. Zhu (2003), Contemporary crustal motion and deformation of the South American plate, *J. Geo-Spatial Info. Sci.*, 6(2), 8-12, doi: 10.1007/BF02826747.
202. **Jin, S.G.**, and O.F. Luo (2003), Measurements and analysis of relative motions between the mid-ocean ridges, *Geomatic & Inform. Sci. Wuhan Uni.*, 28(6), 688-691. **(EI)**

2002

203. **Jin, S.G.**, and W.Y. Zhu (2002), Present-day spreading motion of the mid-Atlantic ridge, *Chin. Sci. Bull.*, 47(18), 1551-1555, doi: 10.1360/02tb9342. **(SCI)**
204. **Jin, S.G.**, and W.Y. Zhu (2002), Assessment and discussion on the ITRF2000 reference frame, *Geomatic & Info. Sci. Wuhan Uni.*, 27(6), 598-603. **(EI)**
205. **Jin, S.G.**, and W.Y. Zhu (2002), The motion and deformation of Pacific plate and contemporary relative motion at its boundaries, *J. Geod. Geodyn.*, 22(2), 1-4.

206. **Jin, S.G.**, and W.Y. Zhu (2002), Global plate motion model constrained by the velocity of the ITRF2000, *Ann. Shanghai Observ. Aca. Sin.*, 23, 28-33.
207. **Jin, S.G.**, and W.Y. Zhu (2002), Establishment and comparison of three absolute plate motion models, *Ann. Shanghai Observ. Aca. Sin.*, 23, 21-27.
208. **Jin, S.G.**, and W.Y. Zhu (2002), Intraplate deformation of the Asia derived from the ITRF2000 velocity field, *J. Chin. Uni. Geosci.*, 13(1), 14-19.
209. **Jin, S.G.**, and W.Y. Zhu (2002), Kinematics and active deformation of the South America plate from GPS measurements, *Geomatic & Info. Sci. Wuhan Uni.*, 27(4), 358-362.
210. **Jin, S.G.**, and W.Y. Zhu (2002), Variations of the spreading motion at the mid-Atlantic ridge based on global plate motion models, *J. Surveying & Mapping Sci.*, 27(1), 31-35.
211. **Jin S.G.**, and W.Y. Zhu, 2002, Plate motion Euler parameter of the Asian sub-plate and intra-plate deformation, *J. Geotectonica et Metallogenia*, 26(2), 138-142.
212. **Jin, S.G.**, and W.Y. Zhu (2002), A discussion on the newest global plate motion model ITRF2000VEL, *Prog. Geophys.*, 17(3), 430-436.
213. **Jin S.G.**, W.Y. Zhu and Y. Miao (2002), Analysis of the motion at the Kunming IGS GPS station relative to the Eurasian plate, *Publications of the Yunnan Observatory*, 1, 56-60.
214. **Jin, S.G.**, and W.Y. Zhu (2002), Background field of global crustal motion and its research progress, *Adv. Earth Sci.*, 17(5), 782-786.

2001

215. **Jin, S.G.**, and W.Y. Zhu (2001), Analysis of improving the precision of InSAR with GPS measurements, *J. Remote Sens. Info.*, 4, 8-11.

C) Book Chapters & Edited Volumes

216. **Jin, S.G.**, and J. Helbert (Eds.) (2018), Interdisciplinary Observation and Understanding of the Solar System, Special Issue in Planetary and Space Science, Elsevier Press, ISSN: 0032-0633, 163, pp. 1-114.
217. **Jin, S.G.** (Ed.) (2018), Earth Observations for Geohazards and Geodynamics, Special Issue in Geodesy and Geodynamics, Elsevier Press, ISSN: 1674-9847, 8(2), pp.
218. **Jin, S.G.** (Ed.) (2017), BDS/GNSS+: Recent Progress and New Applications - Part 2, Special Issue in Advances in Space Research, Elsevier Press, ISSN: 0273-1177, 60(12), pp. 2519-2918.
219. **Jin, S.G.** (Ed.) (2017), BDS/GNSS+: Recent Progress and New Applications - Part 1, Special Issue in Advances in Space Research, Elsevier Press, ISSN: 0273-1177, 59(3), pp. 751-916.
220. **Jin, S.G.** (Ed.) (2016), GNSS Applications in Geodesy and Geodynamics, Special Issue in Geodesy and Geodynamics, Elsevier Press, ISSN: 1674-9847, 7(1), pp. 1-86.
221. Gurbuz, G., **S.G. Jin**, and C. Mekik (2015), Sensing Precipitable Water Vapor (PWV) using GPS in Turkey: validation and variations, in S. Jin (Ed.), *Satellite Positioning: Methods, Models and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1738-4, pp.117-129.
222. Wu, X.R., and **S.G. Jin** (2015), Sensing bare soil and vegetation using GNSS-R - Theoretical modeling, in S. Jin (Ed.), *Satellite Positioning: Methods, Models and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1738-4, pp.177-186.
223. Feng, G.P., and **S.G. Jin** (2015), Sea level changes along global coasts from satellite altimetry, GPS and Tide Gauge, in S. Jin (Ed.), *Satellite Positioning: Methods, Models and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1738-4, pp.97-113.
224. Najibi, N., and **S.G. Jin** (2015), Surface reflectance characteristics and snow surface variations from GNSS reflected signals, in S. Jin (Ed.), *Satellite Positioning: Methods, Models and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1738-4, pp.187-203.

225. Panda, S.K., S. S. Gedam, and **S.G. Jin** (2015), Ionospheric TEC variations at low latitude Indian region, in S. Jin (Ed.), *Satellite Positioning: Methods, Models and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1738-4, pp.149-174.
226. Calabia, A., and **S.G. Jin** (2015), GPS-based non-gravitational accelerations and accelerometer calibration, in S. Jin (Ed.), *Satellite Positioning: Methods, Models and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1738-4, pp.47-72.
227. Zhang, T.Y., and **S.G. Jin** (2015), Automatic recognition of impact craters on the Martian surface from DEM and images, in S. Jin et al. (Eds.), *Planetary Exploration and Science: Recent Results and Advances*, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-662-45051-2, pp.101-118.
228. **Jin, S.G.**, and G.P. Feng (2014), Global groundwater cycles and extreme event responses observed by satellite gravimetry, in U. Marti (Ed.), *IAG Symposia Book Series: Gravity, Geoid and Height Systems (GGHS2012)*, Venice, Italy, 9-12 October 2012, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-319-10837-7, pp.283-288, doi: 10.1007/978-3-319-10837-7_36. (**SCI**)
229. Wu, X.R., and **S.G. Jin** (2014), GNSS-R bare soil and vegetation scattering properties modeling, in H.P. Sun et al. (Eds.), *Progress on Geodesy and Geodynamics*, Hubei Science and Technology Press, ISBN: 978-7-5352-6603-3, pp. 457-465.
230. Yan, W., **S.G. Jin**, and E. Wei (2014), Improvement of Chang'E-1 orbit accuracy by differential and space VLBI, in S. Jin (Ed.), *Planetary Geodesy and Remote Sensing*, Taylor & Francis Group/CRC Press, Boca Raton, FL, USA, ISBN: 978-1-48-221488-8, pp.19-50.
231. **Jin, S.G.**, S. Arivazhagan, and T.Y. Zhang (2014), Lunar Geodesy and Sensing: Methods and results from recent lunar exploration missions, in S. Jin (Ed.), *Planetary Geodesy and Remote Sensing*, Taylor & Francis Group/CRC Press, Boca Raton, FL, USA, ISBN: 978-1-48-221488-8, pp.1-18.
232. Barkin, Y., H. Hanada, J. Ferrandiz, K. Matsumoto, **S.G. Jin**, and M. Barkin (2014), Theory of the physical libration of the Moon with a liquid core, in S. Jin (Ed.), *Planetary Geodesy and Remote Sensing*, Taylor & Francis Group/CRC Press, Boca Raton, FL, USA, ISBN: 978-1-48-221488-8, pp.311-374.
233. Zhang, T.Y., **S.G. Jin**, and R. Tenzer (2014), Martian crust thickness and structure from gravity and topography, in S. Jin (Ed.), *Planetary Geodesy and Remote Sensing*, Taylor & Francis Group/CRC Press, Boca Raton, FL, USA, ISBN: 978-1-48-221488-8, pp.293-310.
234. Xue, Y.S., and **S.G. Jin** (2014), Martian minerals and rock components from MRO CRISM hyperspectral images, in S. Jin (Ed.), *Planetary Geodesy and Remote Sensing*, Taylor & Francis Group/CRC Press, Boca Raton, FL, USA, ISBN: 978-1-48-221488-8, pp.175-208.
235. **Jin, S.G.** (Ed.) (2014), Recent progresses on Beidou/COMPASS and other Global Navigation Satellite Systems (GNSS) - II, Special Issue in *Advances in Space Research*, Elsevier Press, ISSN: 0273-1177, 54(5), pp. 809-900.
236. **Jin, S.G.**, T. van Dam, and S. Wdowski (Eds.) (2013), Earth system observing and modelling from Space Geodesy, Special Issue in *Journal of Geodynamics*, Elsevier, ISSN: 0264-3707, 72, pp. 1-94.
237. **Jin, S.G.** (2013), Satellite gravimetry: Mass transport and redistribution in the Earth system, in S.G. Jin (Ed.), *Geodetic Sciences: Observations, Modeling and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1144-3, pp.157-174, doi: 10.5772/51698.
238. **Jin, S.G.** (Ed.) (2013), Lunar Exploration and Science - II, Special Issue in *Advances in Space Research*, Elsevier Press, ISSN: 0273-1177, 52(2), pp.241-341.
239. Demyanov, V., Y. Yasyukevich, and **S.G. Jin** (2013), Effects of solar radio emission and ionospheric irregularities on GPS/GLONASS performance, in S.G. Jin (Ed.), *Geodetic Sciences: Observations, Modeling and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1144-3, pp.177-222, doi: 10.5772/54568.

240. **Jin, S.G.** (2013), GNSS observations of crustal deformation: A case study in East Asia, in S.G. Jin (Ed.), *Geodetic Sciences: Observations, Modeling and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 978-953-51-1144-3, pp.267-284, doi: 10.5772/51536.
241. **Jin, S.G.** (Ed.) (2013), Recent progresses on Beidou/COMPASS and other Global Navigation Satellite Systems (GNSS) - I, Special Issue in *Advances in Space Research*, Elsevier Press, ISSN: 0273-1177, 51(6), pp. 941-1046.
242. **Jin, S.G.** (2012), GNSS atmospheric and ionospheric sounding: Methods and results, in S.G. Jin (Ed.), *Global Navigation Satellite Systems - Signals, Theory and Applications*, InTech-Publisher, Rijeka, Croatia, ISBN: 979-953-307-132-8, pp.359-380.
243. **Jin, S.G.** (Ed.) (2012), Lunar Exploration and Science - I, Special Issue in *Advances in Space Research*, Elsevier Press, ISSN: 0273-1177, 50(12), pp.1581-1712.
244. Verhagen, S., G. Retscher, M. Santos, X. Ding, Y. Gao, and **S.G. Jin** (2012), Positioning and applications for planet Earth, in S. Kenyon et al. (Eds.) *IAG Symposia Book Series: IAG General Assembly-Geodesy for Planet Earth*, Buenos Aires, Argentina, 31 August-4 September 2009, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-642-20337-4, 136, pp.713-718, doi: 10.1007/978-3-642-20338-1_88. **(SCI)**
245. **Jin, S.G.** (2012), GNSS remote sensing in the atmosphere, oceans, land and hydrology, in S. Kenyon et al. (Eds.) *IAG Symposia Book Series: IAG General Assembly-Geodesy for Planet Earth*, Buenos Aires, Argentina, 31 August-4 September 2009, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-642-20337-4, 136, pp.825-832, doi: 10.1007/978-3-642-20338-1_104. **(SCI)**
246. Verhagen, S., D. Gregner-Brzezinska, G. Retscher, M. Santos, X. Ding, Y. Gao, and **S.G. Jin** (2012), Geodetic sensor systems and sensor networks-Positioning and Applications, in N. Sneeuw et al. (Eds.) *IAG Symposia Book Series: VII Hotine-Marussi Symposium on Theoretical Geodesy*, Rome, Italy, 6-10 July 2009, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-642-22077-7, 137, pp.47-51, doi: 10.1007/978-3-642-220784_7. **(SCI)**
247. **Jin, S.G.** (Ed.) (2011), GNSS Remote Sensing-2, Special Issue in *Advances in Space Research*, Elsevier Press, ISSN: 0273-1177, 47(10), pp.1645-1864.
248. **Jin, S.G.** (Ed.) (2010), GNSS Remote Sensing-1, Special Issue in *Advances in Space Research*, Elsevier Press, ISSN: 0273-1177, 46(2), pp.111-250.
249. **Jin, S.G.**, and P.H. Park (2008), Tectonic activities and deformation in South Korea constrained by GPS observations, In: D. Triantis, M. Jelenska and F. Vallianatos (Eds.) *Advanced Topics on Geology and Seismology*, WSEAS Press, ISBN: 978-960-6766-39-8, pp.43-47.

D) Conference Papers & Proceedings

250. **Jin, S.G.**, and L.L. Yuan, Thermospheric variations from GNSS and accelerometer observations on GRACE and Swarm, *The 4th COSPAR Symposium on Small Satellites for Sustainable Science and Development*, 4-8 November, 2019, Herzliya, Israel. **(Invited)**
251. **Jin, S.G.**, GNSS-Reflectometry technology and its applications, *Forum on Frontier Technology of Surveying and Mapping Science*, August 15-18, 2019, Xi'an, China. **(Invited)**
252. **Jin, S.G.**, and K. Su, Co-seismic displacement and waveforms following the 2018 Alaska earthquake from high-rate GPS PPPV estimation, *Symposium on 40th Anniversary of Seismological Society of China*, August 14-16, 2019, Dalian, China. **(Invited)**
253. **Jin, S.G.**, J. Liu, and Y. Li, Martian upper atmospheric wave activities from multi-satellite accelerometers observations and GCM model, *Annual Meeting of Asia Oceania Geosciences Society (AOGS)*, 28 July-2 August 2019, Singapore.
254. Calabia, A., and **S.G. Jin**, Upper atmospheric characterization through neutral and electron density observables, *27th International Union of Geodesy and Geophysics (IUGG) General Assembly*, July 8-18, 2019, Montreal, Canada.

255. Okay Ahi, G., and **S.G. Jin**, What does GRACE contribute to the drought monitoring: A case study in Turkey, 27th *International Union of Geodesy and Geophysics (IUGG) General Assembly*, July 8-18, 2019, Montreal, Canada.
256. **Jin, S.G.**, and X. Tian, Terrestrial water storage changes in the Yangtze River Basin from GRACE and its influence factors, 27th *International Union of Geodesy and Geophysics (IUGG) General Assembly*, July 8-18, 2019, Montreal, Canada.
257. Huang, M., and **S.G. Jin**, Variations of wetland water level changes in Poyang Lake using Sentinel-1 data, 6th *International Conference on Earth Observation for Environmental Changes (EOEC 2019)*, June 24-26, 2019, Chengdu, China.
258. **Jin, S.G.**, Integrated space-air-ground marine surveying and mapping and its application progress in environments and hazards, *New Period Forum on Marine Surveying and Mapping*, Suzhou, China. **(Invited)**
259. Su, K., and **S.G. Jin**, Modeling and assessment of triple-frequency multi-GNSS Precise Point Positioning, *Proceeding of China Satellite Navigation Conference (CSNC)*, May 22-25, 2019, Beijing, China, Volume I, *Lecture Notes in Electrical Engineering*. **(EI)**
260. **Jin, S.G.**, Ocean environmental remote sensing and its applications from space-borne GNSS-Reflectometry, *Proceeding of China Satellite Navigation Conference (CSNC)*, May 22-25, 2019, Beijing, China. **(Invited)**
261. Wu, X.R., and **S.G. Jin**, Bare soil permafrost detection using GNSS-R/IR techniques: A case study in Alaska, USA, *Proceeding of China Satellite Navigation Conference (CSNC)*, May 22-25, 2019, Beijing, China, Volume I, *Lecture Notes in Electrical Engineering*. **(EI)**
262. **Jin, S.G.**, and K. Su, Evaluation of ionospheric delay effects on multi-GNSS PPP, *Jiangsu Geomatics Society Annual Meeting on Geodesy and LBS*, Nanjing, China. **(Invited)**
263. **Jin, S.G.**, GNSS cloudy platform construction and its applications in geohazards, *Innovation Forum on Navigation Science & Technology*, January 23, 2019, Shijiazhuang, China. **(Invited)**
264. **Jin, S.G.**, GNSS cloudy platform construction and its applications in hazards, *Workshop on Smart Navigation and Applications*, January 11-13, 2019, Nanjing, China. **(Invited)**
265. Calabia, A., and **S.G. Jin**, Thermospheric density perturbation due to space weather from LEO GPS POD and accelerometer, *Workshop on Smart Navigation and Applications*, January 11-13, 2019, Nanjing, China.
266. **Jin, S.G.**, Planetary Geodesy: Recent progress and prospective, *International Symposium on Asteroids and Comet Gravity and Interiors*, December 17-18, 2018, Wuhan, China. **(Keynote)**
267. **Jin, S.G.**, Assessment of three-frequency multi-GNSS Precise Point Positioning with ionospheric delay correction, *Workshop on Satellite Navigation and Positioning Reference Station Network Construction and Application*, December 15-16, 2018, Wuhan, China. **(Invited)**
268. **Jin, S.G.**, GNSS cloudy platform for natural hazards: Monitoring, understanding and warning, *American Geophysical Union (AGU) Fall Meeting*, 10-14 December, 2018, Washington D.C., USA. **(Invited)**
269. Marchetti, D., **S.G. Jin**, A. De Santis, S. Arquero Campuzano, A L. Perrone, R. Di Giovambattista, A. Piscini, A. Ippolito, G. Cianchini, C. Cesaroni, and L. Spogli, Seismic anomalies from High Precision Magnetometer (HPM) and electron density by Langmuir Probe (LAP) onboard CSES Zhangheng-01 satellite, 3rd *Workshop on China Seismo-Electromagnetic Satellite (CSES) Mission*, November 15-19, 2018, Beijing, China.
270. **Jin, S.G.**, GNSS for digital space: Advances, applications and opportunities, *International Workshop on GNSS Ionosphere (IWGI2018)*, November 4-6, 2018, Shanghai, China. **(Invited)**
271. Liu, J.D., and **S.G. Jin**, Wave distribution and activities in the upper Mars atmosphere from multi-satellite accelerometer observations, *International Workshop on GNSS Ionosphere (IWGI2018)*, November 4-6, 2018, Shanghai, China.
272. Dong, Z.N., and **S.G. Jin**, 3-D water vapor tomography in Wuhan from GPS, BDS and GLONASS observations, *International Workshop on GNSS Ionosphere (IWGI2018)*, November 4-6, 2018, Shanghai, China.

273. Su, K., and **S.G. Jin**, Evaluation of ionospheric effects on multi-GNSS PPP performances, *International Workshop on GNSS Ionosphere (IWGI2018)*, November 4-6, 2018, Shanghai, China.
274. Liu, Y.H., and **S.G. Jin**, Ionospheric disturbances following the 2018 Mw=7.9 Alaska earthquake from GPS observations, *International Workshop on GNSS Ionosphere (IWGI2018)*, November 4-6, 2018, Shanghai, China.
275. Gao, C., and **S.G. Jin**, Atmospheric sounding from Chinese GNSS radio occultation satellites: Results and evaluation, *International Workshop on GNSS Ionosphere (IWGI2018)*, November 4-6, 2018, Shanghai, China.
276. **Jin, S.G.**, GNSS Remote Sensing: Recent Advances and Future Opportunities, *Forum on Perspectives of Spatial Informatics within Artificial Intelligence Era*, Nov. 3-4, 2018, Xuzhou, China. **(Invited)**
277. Okay Ahi, G., and **S.G. Jin**, Extreme drought conditions in Turkey observed by satellite gravity measurements, *International Symposium on Gravity, Geoid and Height Systems (GGHS2018)*, September 17-21, 2018, Copenhagen, Denmark, pp. **(SCI)**
278. **Jin, S.G.**, GNSS Water Remote Sensing: Recent advances and future opportunity, *International Workshop on Innovating GNSS and LEO Occultations & Reflections for Weather, Climate and Space Weather*, September 6-11, 2018, Beijing, China. **(Invited)**
279. **Jin, S.G.**, Volcano monitoring from GNSS observations and its applications, *China GNSS and LBS Annual Conference*, September 5-9, 2018, Mianyang, China. **(Invited)**
280. **Jin, S.G.**, Multi-GNSS cooperative navigation/positioning and its applications, *China GNSS and LBS Annual Conference*, September 5-9, 2018, Mianyang, China. **(Invited)**
281. **Jin, S.G.**, Greenland ice sheet changes from GPS, ICESat and GRACE measurements, *3rd Congress of China Geodesy and Geophysics (CCGG2018)*, August 23-24, 2018, Lanzhou, China. **(Invited)**
282. **Jin, S.G.**, BDS/GNSS: Recent application progress and prospects, *Advanced Forum and Summer School on Remote Sensing and Geomatics Progress and Frontier*, 5-10 August 2018, Nanjing, China. **(Invited)**
283. **Jin, S.G.**, Geohazards monitoring and geodynamics modelling from GNSS observations, *International Symposium on Geodesy and Geodynamics (ISGG 2018)*, July 30 - August 2, 2018, Kunming, China. **(Invited)**
284. Zheng, Z., and **S.G. Jin**, Co-seismic deformation of the 2007 Bengkulu earthquake from GRACE and GPS measurements, *International Symposium on Geodesy and Geodynamics (ISGG 2018)*, July 30 - August 2, 2018, Kunming, China.
285. **Jin, S.G.**, BDS/GNSS PNT: Recent advances and prospects, *China BeiDou Navigation Satellite System Training*, July 18-20, 2018, Chengdu, China. **(Invited)**
286. **Jin, S.G.**, GNSS cloudy platform establishment and its applications progress, *Advanced Forum on Spatial Location Service*, July 5-6, 2018, Guangzhou, China. **(Invited)**
287. Akgul, V., **S.G. Jin**, G. Gurbuz, and E. Koksal, High-order ionospheric effects on 3-D GPS coordinate estimation in Turkey, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 23-27, 2018, Valencia, Spain, pp. 3135-3138, doi: 10.1109/IGARSS.2018.8517915. **(EI)**
288. Wu, X., B. Li, J. Xia, F. Wang, **S.G. Jin**, W. Bai, and L. Yang, Progresses on GNSS-R/IR land surface scattering models, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 23-27, 2018, Valencia, Spain, pp. **(EI)**
289. Avsar, N., **S.G. Jin**, and S.H. Kutoglu, Interannual variations of sea surface temperatures in the Black Sea, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 23-27, 2018, Valencia, Spain, pp. 5617-5620, doi: 10.1109/IGARSS.2018.8518183. **(EI)**
290. Korkmaz, T., **S.G. Jin**, and V. Akgul, Multipath variation characteristics from GPS and GLONASS observations, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 23-27, 2018, Valencia, Spain, pp. **(EI)**

291. Zou, F., and **S.G. Jin**, Re-estimation of Greenland ice sheet changes from ICESat measurements with slope correction, *26th International Conference on GeoInformatics (Geoinformatics2018)*, June 28-30, 2018, Kunming, China, pp. 1-4, doi: 10.1109/GEOINFORMATICS.2018.8557165. **(EI)**
292. Abd-Elbaky, M., and **S.G. Jin**, Estimating Runoff in the Nile River Basin from Multi-satellite Measurements, *26th International Conference on GeoInformatics (Geoinformatics2018)*, June 28-30, 2018, Kunming, China, pp. 1-5, doi: 10.1109/GEOINFORMATICS.2018.8557073. **(EI)**
293. Tian, X.J., and **S.G. Jin**, Recent drought conditions in the Yangtze River Basin observed by satellite gravimetry, *26th International Conference on GeoInformatics (Geoinformatics2018)*, June 28-30, 2018, Kunming, China, pp. **(EI)**
294. **Jin, S.G.**, and J.D. Liu, Wave distribution and activities in the Martian upper atmosphere from multi-satellite observations, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, 3-8 June 2018, Honolulu, HI, USA.
295. Ahadov, B., and **S.G. Jin**, Crustal deformation and block kinematics in the Eastern Mediterranean and Caucasus from space geodesy, *4th International Conference on Continental Earthquakes (ICCE2018)*, May 12-14, 2018, Chengdu, China.
296. **Jin, S.G.**, BeiDou/GNSS applications in civil engineering: Recent results and opportunities, *International Conference on Geomatics in Civil Engineering (ICGCE2018)*, April 5-6, 2018, Roorkee, India. **(Keynote)**
297. Gurbuz, G., and **S.G. Jin**, Inter-annual height variations observed by continuous GPS measurements in Turkey, *International Conference on GeoInformation for Disaster Management (Gi4DM 2018)*, March 18-21, 2018, Istanbul, Turkey, *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, 42(3W4), 239-243, doi: 10.5194/isprs-archives-XLII-3-W4-239-2018. **(EI)**
298. Avsar, N., **S.G. Jin**, and H. Kutoglu, Recent Sea Level Changes in the Black Sea from Satellite Gravity and Altimeter Measurements, *International Conference on GeoInformation for Disaster Management (Gi4DM 2018)*, March 18-21, 2018, Istanbul, Turkey, *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, 42(3W4), 83-85, doi: 10.5194/isprs-archives-XLII-3-W4-83-2018. **(EI)**
299. **Jin, S.G.**, Tectonic deformation in Western Pacific from satellite and ocean bottom observations, *Annual Meeting of State Key Lab for Marine Geology*, January 5-7, 2018, Shanghai, China.
300. Calabia, A., T. Matsuo, and **S.G. Jin**, Modeling of thermospheric neutral density variations in response to geomagnetic forcing using GRACE accelerometer data, *AGU Fall Meeting*, December 11-15, 2017, New Orleans, USA, Abstract ID#. 217414.
301. **Jin, S.G.**, BDS/GNSS+: Recent progress and new opportunities, *International Conference on Aerospace Science & Engineering (ICASE)*, November 14-16, 2017, Islamabad, Pakistan. **(Keynote)**
302. **Jin, S.G.**, BDS/GNSS: New applications, findings and opportunities, *6th International Colloquium - Scientific and Fundamental Aspects of GNSS/Galileo*, 25-27 October 2017, Valencia, Spain. **(Keynote)**
303. **Jin, S.G.**, Water cycle and climate change observed by GNSS measurements, *High-end Forum on Geoinformatics and Navigation*, October 20-21, 2017, Shenzhen, China. **(Invited)**
304. Abd-Elbaky, M.S., and **S.G. Jin**, Water cycle and climate change effects in the Nile River Basin from satellite gravimetry and hydrological models, *ECSA 2017, Where Land Meets Ocean: The Vulnerable Interface*, October 16-20, 2017, Shanghai, China.
305. **Jin, S.G.**, Seismo-atmospheric disturbances from GNSS and other remote sensing data, *ISPRS International Joint Conference*, October 7-10, 2017, Tehran, Iran. **(Keynote)**
306. **Jin, S.G.**, GNSS geohazards monitoring and warning: Recent progress and challenges, *Asia-Pacific Space Geodynamics (APSG) 2017 Symposium*, 15-18 August 2017, Shanghai, China.
307. **Jin, S.G.**, and T.Y. Zhang, Terrestrial water storage variations in Southwestern US from continuous GPS observations, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, August 6-11, 2016, Singapore.

308. **Jin, S.G.**, and J.D. Liu, Long-term variability of Martian thermospheric density from multi-satellite accelerometers observations, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, August 6-11, 2016, Singapore.
309. **Jin, S.G.**, and T.Y. Zhang, Glacier melting and GIA in Alaska estimated from joint GPS, ICESat and GRACE measurements, *IAG-IASPEI Scientific Assembly*, July 30 - August 4, 2017, Kobe, Japan.
310. Gurbuz, G., and **S.G. Jin**, GPS observations of tropospheric disturbances following the 2010 Mw=8.8 Chile earthquake, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 23-28, 2017, Fort Worth, Texas, USA, pp. 4718-4721, doi: 10.1109/IGARSS.2017.8128055. **(EI)**
311. Akgul, V., **S.G. Jin**, and G. Gurbuz, Assessment of high-order ionospheric effects on GPS-estimated Precipitable Water Vapor, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 23-28, 2017, Fort Worth, Texas, USA, pp. 4417-4420, doi: 10.1109/IGARSS.2017.8127980. **(EI)**
312. Demyanov V., Y. Yasyukevich, and **S.G. Jin**, Detecting of the small-scale ionospheric irregularities based on GPS data, *XXIII International Symposium "Atmospheric and Ocean Optics. Atmospheric Physics"*, July 3-7, 2017, Irkutsk, Russia.
313. Wei, E., J. Liu, **S.G. Jin**, and J. Liu, Mars rover positioning with gravity-aided dead-reckoned odometry, *1st IUGG Symposium on Planetary Sciences (IUGG-PS 2017)*, July 3-5, 2017, Berlin, Germany.
314. Meng, Z., S. Hu, C. Li, **S.G. Jin**, Z. Cai, and J. Ping, Microwave thermal emission features and geological implications of lunar Mare Nubium from CE-2 observations, *1st IUGG Symposium on Planetary Sciences (IUGG-PS 2017)*, July 3-5, 2017, Berlin, Germany.
315. Liu, J.D., and **S.G. Jin**, Variability of Martian thermospheric density estimated from accelerometers observations, *1st IUGG Symposium on Planetary Sciences (IUGG-PS 2017)*, July 3-5, 2017, Berlin, Germany.
316. **Jin, S.G.**, X. Li, and E. Wei, Deep-space and planetary exploration by VLBI: Recent results and performances in China, *1st IUGG Symposium on Planetary Sciences (IUGG-PS 2017)*, July 3-5, 2017, Berlin, Germany.
317. Liu, J.D., and **S.G. Jin**, Evaluation of Mars probe positioning using X-ray pulsars, celestial, gravity-aided and ground-based measurements, *1st IUGG Symposium on Planetary Sciences (IUGG-PS 2017)*, July 3-5, 2017, Berlin, Germany.
318. Meng, Z., H. Wang, S. Hu, **S.G. Jin**, Z. Cai, and J. Ping, Microwave Thermal Emission features of lunar Mare moscoviense from Chang'E-2 Microwave sounder data, *1st IUGG Symposium on Planetary Sciences (IUGG-PS 2017)*, July 3-5, 2017, Berlin, Germany.
319. **Jin, S.G.**, Land and ocean remote sensing from BDS/GNSS: New results and prospects, *3S Technology Forum and PolyU-HHU Joint Lab Symposium*, June 16-18, 2017, Nanjing, China. **(Invited)**
320. **Jin, S.G.**, GNSS-Reflectometry: Recent results and application progress, *China Satellite Navigation Conference (CSNC)*, 23-25 May 2017, Shanghai, China. **(Invited)**
321. Wu, X. R., **S.G. Jin**, Y. Li, and Y. Dong, Theoretical study for bare soil freeze/thaw process detection using GNSS-R/IR, *Proceeding of China Satellite Navigation Conference (CSNC)*, May 23-25, 2017, Shanghai, China, Volume I, *Lecture Notes in Electrical Engineering*, 437, 3-12. **(EI)**
322. **Jin, S.G.**, Ionospheric responses to the March 2015 geomagnetic storm observed by BDS measurements, *11th RIN Annual Baska GNSS Conference*, 7-9 May 2017, Baska, KrkIsland, Croatia. **(Keynote)**
323. Gurbuz, G., and **S.G. Jin**, Validation of GNSS Precipitable Water Vapor with MODIS and Radiosonde, *COST ES1206 Workshop*, 21-23 February 2017, ESTEC-Noordwijk, Netherlands.
324. **Jin, S.G.**, R. Jin, and H. Kutoglu, Sources of GPS seismo-ionospheric disturbances: A case study of the 2012 Gwaii earthquake, *AGU Fall Meeting*, December 12-16, 2016, San Francisco, CA, USA, Abstract ID# 200056.
325. **Jin, S.G.**, Remote sensing using GNSS signals: New opportunity and applications, *Iranian Navigation Conference (INC2016)*, December 7-8, 2016, Tehran, Iran. **(Keynote)**
326. **Jin, S.G.**, What can satellite geodesy do? Recent results and advances, *International Workshop on Satellite Observations and Geoscience Applications (SOGA2016)*, November 17, 2016, Zonguldak, Turkey. **(Invited)**

327. Khan, A., and **S.G. Jin**, Mountain gravity waves characteristics in the Tibetan Plateau from GPS Radio Occultation and radiance data, *International Conference on Space*, September 20-22, 2016, Islamabad, Pakistan.
328. **Jin, S.G.**, and T.Y. Zhang, Glacier mass variations in Alaska estimated from joint GPS, GRACE and ICESat measurements, *International Symposium on Gravity, Geoid & Height System*, September 19-23, 2016, Thessaloniki, Greece.
329. Li, D., **S.G. Jin**, G. Zheng, and A. Calabia, Evaluation of 3-D ionospheric tomography from denser GNSS array observations in Japan, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS2016)*, August 8-11, 2016, Shanghai, China, pp. 4986-4990, doi: 10.1109/PIERS.2016.7735814. (EI)
330. Calabia, A., and **S.G. Jin**, Thermospheric mass density variations during the March 2015 geomagnetic storm from GRACE accelerometers, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS2016)*, August 8-11, 2016, Shanghai, China, pp. 4976-4980, doi: 10.1109/PIERS.2016.7735812. (EI)
331. Zhang, T.Y., and **S.G. Jin**, Ice mass balance and GIA effects in Tibet estimated from GRACE and ICESat measurements, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS2016)*, August 8-11, 2016, Shanghai, China, pp. 4780-4783, doi: 10.1109/PIERS.2016.7735748. (EI)
332. Shah, M., and **S.G. Jin**, Pre-seismic thermal anomalies of the 2015 Mw=7.8 Gorkha (Nepal) earthquake from MODIS surface temperature, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS2016)*, August 8-11, 2016, Shanghai, China, pp. 4755-4758, doi: 10.1109/PIERS.2016.7735743. (EI)
333. Calabia, A., and **S.G. Jin**, Long-term variations of thermospheric air mass density derived from GRACE accelerometers, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS2016)*, August 8-11, 2016, Shanghai, China, pp. 4759-4763, doi: 10.1109/PIERS.2016.7735744. (EI)
334. Yang, Y., and **S.G. Jin**, Geological characteristics of hydrated minerals on Mars from MRO CRISM images, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS2016)*, August 8-11, 2016, Shanghai, China, pp. 4770-4773, doi: 10.1109/PIERS.2016.7735746. (EI)
335. **Jin, S.G.**, and R. Jin, Ionospheric responses to the 2015 St. Patrick's Day storm from BeiDou observations, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, July 31-August 5, 2016, Beijing, China. (Invited)
336. **Jin, S.G.**, Planetary Geodesy and Geophysics: Recent advances and future challenges, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, July 31-August 5, 2016, Beijing, China.
337. **Jin, S.G.**, and J.H. Li, High-order ionospheric effects on electron density variations during the 2015 storm from GPS Radio Occultation, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, July 31-August 5, 2016, Beijing, China. (Invited)
338. Gurbuz, G., and **S.G. Jin**, Tropospheric anomalies following the 2010 Mw=8.8 Chile earthquake from GPS observations, *41st COSPAR Scientific Assembly*, 30 July - 7 August 2016, Istanbul, Turkey.
339. Avsar, N.B., **S.G. Jin**, H. Kutoglu, and B. Erol, Analysis of sea level and sea surface temperature changes in the Black Sea, *41st COSPAR Scientific Assembly*, 30 July - 7 August 2016, Istanbul, Turkey.
340. **Jin, S.G.**, G. Gurbuz, and V. Akgul, Atmospheric remote sensing and applications from GNSS: Recent results and progress, *41st COSPAR Scientific Assembly*, 30 July - 7 August 2016, Istanbul, Turkey. (Invited)
341. Liu, J.D., **S.G. Jin**, and E. Wei, Cruise orbit determination of Mars from optical celestial techniques and X-ray pulsars, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
342. Korkmaz, T., and **S.G. Jin**, Long-time variation characteristics of multipath from GPS and GLONASS observations, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
343. Zou, F., and **S.G. Jin**, Vertical displacement due to glacial ice mass loss in Greenland observed by GRACE, ICESat and GPS, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
344. Yazici, S., and **S.G. Jin**, Seasonal and interannual variations of TEC from GPS observations in Turkey, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.

345. Zhang, T.Y., and **S.G. Jin**, Terrestrial water storage variations in the Great Lakes Water Basin from continuous GPS observations, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
346. Wei, E., X.C. Li, **S.G. Jin**, and J. Liu, Precision Orbit Determination of Lunar Probe with VLBI, USB and Space VLBI, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
347. Calabria, A., **S.G. Jin**, and L.L. Yuan, Variations of thermospheric air mass density derived from GRACE accelerations and GPS POD, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
348. Qian, X.D., and **S.G. Jin**, Snow depth from GLONASS-Reflectometry: A case study from SNR and phase-based multipath data, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
349. Aloisi, M., F. Pulvirenti, **S.G. Jin**, and A. Scaltrito, Sudden deflation and following faulting process of the December 2015 Etna volcano inferred from continuous GPS observations, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
350. Jin, R., and **S.G. Jin**, Ionospheric behaviors following the geomagnetic storm in June 2015 from IGS GIM TEC data, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
351. Gurbuz, G., and **S.G. Jin**, Long-term variations of Precipitable Water Vapor from six-year GPS and Radiosonde observations in Turkey, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
352. Akgul, V., and **S.G. Jin**, High-order ionospheric effects on GPS-estimated tropospheric delay gradients, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
353. Avsar, N.B., **S.G. Jin**, H. Kutoglu, and G. Gurbuz, Vertical land motion along the Black Sea coast from Tide Gauge, Satellite Altimetry and GPS, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
354. **Jin, S.G.**, GNSS Remote Sensing: New observations, results and findings, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China. (**Invited**)
355. Wu, X.R., and **S.G. Jin**, A fully polarization GNSS+R Delay Doppler Map and forward GNSS-R/GPS-IR physical simulators for land geophysical parameters, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
356. Khan, A., and **S.G. Jin**, Gravity waves activities in Tibet from COSMIC GPS Radio Occultation observations, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
357. Li, D., **S.G. Jin**, and G. Zheng, 3-D seismo-ionospheric disturbances following the 2011 Tohoku earthquake from denser GNSS array observations, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
358. Zhao, X., **S.G., Jin**, and J. Feng, Assessment of high-resolution regional ionospheric model from denser GNSS observations in China, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
359. Li, J.H., **S.G. Jin**, and X. Liu, Estimation of ionospheric electron density from GPS radio occultation with high-order ionospheric corrections, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
360. Shah, M., and **S.G. Jin**, Pre-seismic ionospheric anomalies of the 2005 Mw=7.8 Kashmir (Pakistan) earthquake from GPS and DEMETER, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
361. Ahadov, B., and **S.G. Jin**, Crustal deformation and tectonic activities in East Mediterranean and Caucasus from GPS observations, *1st International Conference on GNSS+ (ICG+2016)*, July 27-30, 2016, Shanghai, China.
362. **Jin, S.G.**, Can Satellite Laser Ranging (SLR) monitor glacier accelerated melting in Antarctica?, *International Symposium on Geodesy and Geodynamics (ISGG 2016)*, July 22-25, 2016, Tianjin, China. (**Invited**)
363. Wu, X.R., L. Chang, **S.G. Jin**, Y. Dong, and X.D. Qian, Initial results for near surface soil freeze-thaw process detection using GPS-Interferometric Reflectometry, *Proceeding of IEEE International Geoscience and Remote*

- Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 1989-1992, doi: 10.1109/IGARSS.2016.7729513. **(EI)**
364. **Jin, S.G.**, Pre-seismic ionospheric anomalies from GNSS observations: Statistics analysis and characteristics, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 2005-2008, doi: 10.1109/IGARSS.2016.7729517. **(EI)**
365. **Jin, S.G.**, and X.D. Qian, Snow depth variations estimated from GPS L1C/A signal to noise ratio data, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 1980-1981, doi: 10.1109/IGARSS.2016.7729510. **(EI)**
366. Zou, F., and **S.G. Jin**, Estimation of glacier melting in Greenland from combined satellite gravimetry and ICESat, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 6185-6188, doi: 10.1109/IGARSS.2016.7730616. **(EI)**
367. Khan, A., and **S.G. Jin**, Tropopause variations in Tibet from COSMIC GPS Radio Occultation observations, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 3978-3981, doi: 10.1109/IGARSS.2016.7730034. **(EI)**
368. **Jin, S.G.**, and G.P. Feng, Uncertainty of GRACE-estimated land water and glaciers contributions to sea level change during 2003-2012, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 6189-6192, doi: 10.1109/IGARSS.2016.7730617. **(EI)**
369. Li, J.H., and **S.G. Jin**, Second-order ionospheric effects on ionospheric electron density estimation from GPS Radio Occultation, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 3952-3955, doi: 10.1109/IGARSS.2016.7730027. **(EI)**
370. Jin, R., and **S.G. Jin**, Ionospheric Acoustic and Rayleigh waves detected by GPS following the 2005 Mw=7.2 Northern California Earthquake, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 3956-3959, doi: 10.1109/IGARSS.2016.7730028. **(EI)**
371. **Jin, S.G.**, and A.A. Hassan, Water discharge in East Africa from GRACE, satellite altimetry and Landsat data, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 1997-2000, doi: 10.1109/IGARSS.2016.7729515. **(EI)**
372. Qian, X.D., **S.G. Jin**, and X.R. Wu, Snow depth variations estimated from three-frequency GPS interferometric reflectometry, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 10-15, 2016, Beijing, China, pp. 6086-6089, doi: 10.1109/IGARSS.2016.7730590. **(EI)**
373. **Jin, S.G.**, Estimation of snow depth variations from multi-GNSS carrier phases and SNR observations, China Satellite Navigation Conference, 18-20 May 2016, Changsha, China. **(Invited)**
374. **Jin, S.G.**, GNSS Remote Sensing: New applications, results and findings, *CSNC-CPGPS Panel*, 18-20 May 2016, Changsha, China. **(Invited)**
375. Wu, X.R., and **S.G. Jin**, Forward GNSS-R/GPS-IR physical simulators for land geophysical parameters, in J. Sun (Eds.), *Lecture Notes in Electrical Engineering*, pp., *Proceeding of China Satellite Navigation Conference*, 18-20 May 2016, Changsha, China. **(EI)**
376. **Jin, S.G.**, GNSS Remote Sensing: Recent results and new opportunity, *10th Annual RIN Baska GNSS Conference*, May 8-10, 2016, Baska, Krk Island, Croatia. **(Keynote)**
377. Gurbuz, G., S.G. Jin, and C. Mekik, Effects of ocean tide models on GPS-estimated ZTD and PWV in Turkey, *3rd International Conference on Geoinformation Modelling and Environmental Monitoring*, 23-25 November 2015, Kish Island, Iran.
378. Avsar, N.B., H. Kutoglu, **S.G. Jin**, and B. Erol, Investigation of sea level changes along the Black Sea coast from Tide Gauge and Satellite Altimetry, *3rd International Conference on Geoinformation Modelling and Environmental Monitoring*, 23-25 November 2015, Kish Island, Iran, pp. 67-71, doi: 10.5194/isprsarchives-XL-1-W5-67-2015.

379. **Jin, S.G.**, Marine datum and monitoring network: Recent progress and challenge, *Hubei Forum on Marine Surveying and Mapping*, September 19-21, 2015, Wuhan, China.
380. **Jin, S.G.**, Y.S. Xue, and Y. Yang, Minerals components and ancient environments at Martian Gale crater from CRISM hyperspectral images, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, August 2-7, 2015, Singapore. **(Invited)**
381. **Jin, S.G.**, and R. Jin, GPS observations of seismo-ionospheric TEC disturbances: Cases study and characteristics, *26th International Union of Geodesy and Geophysics (IUGG) General Assembly*, 22 June-2 July 2015, Prague, Czech.
382. **Jin, S.G.**, Time-varying gravity field and large-scale mass redistribution inferred from GNSS and Satellite Altimetry, *26th International Union of Geodesy and Geophysics (IUGG) General Assembly*, 22 June-2 July 2015, Prague, Czech. **(Invited)**
383. Avsar, N., S.H. Kutoglu, B. Erol, and **S.G. Jin**, Sea level changes in the Black Sea from Satellite Altimetry and Tide Gauge observations, *26th International Union of Geodesy and Geophysics (IUGG) General Assembly*, 22 June -2 July 2015, Prague, Czech.
384. **Jin, S.G.**, and F. Zou, Land-ocean leakage effects on glacier melting estimation in Antarctica from GRACE measurements, *26th International Union of Geodesy and Geophysics (IUGG) General Assembly*, 22 June -2 July 2015, Prague, Czech.
385. **Jin, S.G.**, Planetary Geodesy and Remote Sensing: Recent results and Opportunities, *2nd International Association of Planetary Sciences (IAPS) Scientific Assembly*, June 1-4, 2015, Kazan, Russia. **(Invited)**
386. **Jin, S.G.**, and R. Jin, GNSS ionospheric anomalies following recent big earthquakes: Results and statistical analysis, *Japan Geoscience Union (JpGU) Meeting*, May 24-28, 2015, Chiba, Japan. **(Invited)**
387. **Jin, S.G.**, H. Kutoglu, and C. Mekik, Satellite Navigation and Space Geodesy: Recent progresses and perspective, *FIG Working Week 2015*, 17-21 May 2015, Sofia, Bulgaria.
388. Avsar, N.B., S.H. Kutoglu, B. Erol, and **S.G. Jin**, Coastal risk analysis of the Black Sea under the sea level rise, *FIG Working Week 2015*, 17-21 May 2015, Sofia, Bulgaria.
389. **Jin, S.G.**, GNSS Remote Sensing: Recent results and future Prospects, *Proceeding of China Satellite Navigation Conference*, 13-15 May 2015, Xi'an, China, pp. **(Invited)**
390. Wu, X.R., **S.G. Jin**, and Y. Li, Theoretical study of bare soil parameters effects on GPS multipath observables, in J. Sun (Eds.), *Lecture Notes in Electrical Engineering*, 340, pp. 45-54, *Proceeding of China Satellite Navigation Conference*, 13-15 May 2015, Xi'an, China. **(EI)**
391. **Jin, S.G.**, and S.H. Kutoglu, Space Geodesy and Remote Sensing: Recent results and perspective, *Turkey's Scientific and Technical Congress*, March 25-28, 2015, Ankara, Turkey.
392. **Jin, S.G.**, and J.H. Li, Asteroid Geodesy and Remote Sensing: Objectives and plans, *Workshop on Sample Return MarcoPolo 2D*, December 17-18, 2014, Beijing, China. **(Invited)**
393. **Jin, S.G.**, G.P. Feng, O. Andersen, and J. Sanchez Reales, Uncertainties of MDT and geostrophic currents estimated from GOCE and satellite altimetry: A case study in China's Marginal Seas, *Proceeding of the 5th International GOCE User Workshop*, 25-28 November 2014, Paris, France, pp. **(Invited)**
394. Avsar, N.B., B. Erol, S.H. Kutoglu, and **S.G. Jin**, Investigation of the sea level rise and its impacts on the coastal areas for Black Sea, *XXIV International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields*, 6-7 November, 2014, Sofia, Bulgaria.
395. Yu, W., **S.G. Jin**, F. Gao, and X.C. Li, A new self-correcting radiation pressure model, *Proceeding of excellent papers at Hefei University of Technology Graduate Forum*, October 2014, Hefei, China, pp.1-11.
396. **Jin, S.G.**, and R. Jin, Heterogeneous propagation characteristics of ionospheric disturbances following the 2011 Tohoku earthquake from GPS observations, *Proceeding of China United Geosciences Symposium*, October 20-23, 2014, Beijing, China, pp.

397. Feng, G.P., and **S.G. Jin**, Glacier melting contributions to global mean sea level change from satellite gravimetry, *Proceeding of Asia-Pacific Remote Sensing Symposium*, October 13-17, 2014, Beijing, China, pp. (EI)
398. Wu, X. R., and **S.G. Jin**, Can we monitor the bare soil freeze-thaw process using GNSS-R?: a simulation study, *Proc. SPIE 9264, Earth Observing Missions and Sensors: Development, Implementation, and Characterization III*, November 26, 2014, 92640I, doi: 10.1117/12.2068776. (SCI)
399. Feng, G.P., and **S.G. Jin**, Assessing the global sea level budget in 2003-2012 with altimetry, Argo, and GRACE, *Proceeding of Asia-Pacific Remote Sensing Symposium*, October 13-17, 2014, Beijing, China, pp. (EI)
400. **Jin, S.G.**, and N. Najibi, Surface scattering characteristics and snow accumulating-melting behaviors from GNSS reflectometry, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS)*, 25-28 August, 2014, Guangzhou, China, pp.1401-1405. (EI)
401. **Jin, S.G.**, and R. Jin, TEC anomalies following the 11 March 2011 Tohoku earthquake observed by a dense GPS array, *Proceeding of XXXI General Assembly and Scientific Symposium of the International Union of Radio Science*, August 17-23, 2014, Beijing, China, pp. 1-4, doi: 10.1109/URSIGASS.2014.6929812. (EI)
402. Wu, X. R., and **S.G. Jin**, Characteristics of bare soil GNSS-Reflectometry based on interference patterns, *Proceeding of XXXI General Assembly and Scientific Symposium of the International Union of Radio Science*, August 17-23, 2014, Beijing, China, pp. 1-4, doi: 10.1109/URSIGASS.2014.6929705. (EI)
403. Yasyukevich, Y., V.V. Demyanov, and **S.G. Jin**, Controlling current conditions of signal propagation of navigation satellites, *Proceeding of XXXI General Assembly and Scientific Symposium of the International Union of Radio Science*, August 17-23, 2014, Beijing, China, pp. 1-4, doi: 10.1109/URSIGASS.2014.6929759. (EI)
404. **Jin, S.G.**, and N. Najibi, GPS snow surface thermometer: Surface thermal transmission and estimation, *Proceeding of XXXI General Assembly and Scientific Symposium of the International Union of Radio Science*, August 17-23, 2014, Beijing, China, pp. 1-4, doi: 10.1109/URSIGASS.2014.6929591. (EI)
405. Jin, R., and **S.G. Jin**, Ionospheric variations following the geomagnetic storm from BeiDou GEO satellite observations: A case study, *Proceeding of XXXI General Assembly and Scientific Symposium of the International Union of Radio Science*, August 17-23, 2014, Beijing, China, pp. 1-4, doi: 10.1109/URSIGASS.2014.6929805. (EI)
406. Yang, Y., **S.G. Jin**, and Y.S. Xue, Identification of minerals at Martian Jezero crater using MRO CRISM images, *Proceeding of XXXI General Assembly and Scientific Symposium of the International Union of Radio Science*, August 17-23, 2014, Beijing, China, pp. 1-4, doi: 10.1109/URSIGASS.2014.6929681. (EI)
407. **Jin, S.G.**, and Y.S. Xue, Implications of Martian minerals at Gale region detected by MRO CRISM data, 40th COSPAR Scientific Assembly, 2-10 August 2014, Moscow, Russia. (Invited)
408. Zhang, T.Y., **S.G. Jin**, and F. Pulvirenti, The rupture of the 2011 Tohoku earthquake constrained by geodetic measurements with 3-D FEM, *International Symposium on Geodesy for Earthquake and Natural Hazards (GENAH 2014)*, 22-26 July 2014, Matsushima, Miyagi, Japan.
409. **Jin, S.G.**, and R. Jin, GPS TEC disturbances and behaviors following the 2011 Tohoku earthquakes, *International Symposium on Geodesy for Earthquake and Natural Hazards (GENAH 2014)*, 22-26 July 2014, Matsushima, Miyagi, Japan.
410. Hassan, A.A., and **S.G. Jin**, Water storage and level variations in Lake Nasser (Africa) from satellite gravimetric and Landsat data, *Proceeding of International Gravity Field Service (IGFS) General Assembly (IGFS2014)*, June 30-July 6, 2014, Shanghai, China, pp.
411. Zou, F., and **S.G. Jin**, Effects of land-ocean leakage error on glacier mass loss in Greenland estimated from GRACE, *Proceeding of International Gravity Field Service (IGFS) General Assembly (IGFS2014)*, June 30-July 6, 2014, Shanghai, China, pp.

412. Feng, G.P., and **S.G. Jin**, Uncertainty of ice sheet contributions to global sea level change from GRACE in 2003-2012, *Proceeding of International Gravity Field Service (IGFS) General Assembly (IGFS2014)*, June 30-July 6, 2014, Shanghai, China.
413. **Jin, S.G.**, and X.G. Zhang, A new time-varying gravity field from GPS and LEO observations for 1998-2013, *Proceeding of International Gravity Field Service (IGFS) General Assembly (IGFS2014)*, June 30-July 6, 2014, Shanghai, China.
414. Zhang, X.G., and **S.G. Jin**, Errors of geocenter motion estimates from global GPS observations, *Proceeding of International Gravity Field Service (IGFS) General Assembly (IGFS2014)*, June 30-July 6, 2014, Shanghai, China.
415. Zou, F., and **S.G. Jin**, Land-ocean leakage errors in satellite gravity measurements using forward modeling, *Proceeding of the 3rd International Workshop on Earth Observation and Remote Sensing Applications (EORSA 2014)*, June 11-14, 2014, Changsha, China, pp. 19-23, doi: 10.1109/EORSA.2014.6927841. (**SCI**)
416. Wu, X.R., and **S.G. Jin**, A multipath forward scattering model of GNSS-Reflectometry from bare soil and vegetation, *Proceeding of the 3rd International Workshop on Earth Observation and Remote Sensing Applications (EORSA 2014)*, June 11-14, 2014, Changsha, China, pp. 5-8, doi: 10.1109/EORSA.2014.6927838. (**SCI**)
417. Jin, R., **S.G. Jin**, and X.L. Tao, Ionospheric anomalies during the March 2013 geomagnetic storm from Beidou navigation satellite system (BDS) observations, in J. Sun (Eds.), *Lecture Notes in Electrical Engineering*, 303, pp. 97-104, *Proceeding of China Satellite Navigation Conference*, 21-23 May 2014, Nanjing, China. (**EI**)
418. Wan, L.H., E. Wei, and **S.G. Jin**, Earth rotation parameter estimation from GNSS and its impact on aircraft orbit determination, in J. Sun (Eds.), *Lecture Notes in Electrical Engineering*, 303, pp. 105-114, *Proceeding of China Satellite Navigation Conference*, 21-23 May 2014, Nanjing, China. (**EI**)
419. **Jin, S.G.**, Remotely Sense activities and mass transport of Earth's interior from GNSS observations, *China Satellite Navigation Conference (CSNC)*, 21-23 May 2014, Nanjing, China. (**Invited**)
420. Wu, X.R., and **S.G. Jin**, Simulations and analysis of BeiDou Navigation Satellite System (BDS)-Relectometry Delay-Doppler Maps for vegetation, in J. Sun (Eds.), *Lecture Notes in Electrical Engineering*, 303, pp. 87-95, *Proceeding of China Satellite Navigation Conference (CSNC)*, 21-23 May 2014, Nanjing, China. (**EI**)
421. **Jin, S.G.**, and Y. Yang, Mineralogical characterization of Martian Jezero crater from MRO CRISM hyperspectral images, *Proceeding of ISPRS Technical Commission IV Symposium*, 14-16 May 2014, Suzhou, China, pp. 117-119. (**Invited**)
422. **Jin, S.G.**, and Y.S. Xue, Minerals detection on Mars from Mars Reconnaissance Orbiter (MRO) CRISM data, *Japan Geoscience Union (JpGU) Meeting*, 28 April-2 May 2014, Pacifico, Yokohama, Japan. (**Invited**)
423. Li, X.C., **S.G. Jin**, and E. Wei, Orbit determination and analysis of Chang'E-2 with VLBI, *Proceeding of the 8th IVS General Meeting*, March 2-7, 2014, Shanghai, China.
424. **Jin, S.G.**, and X.G. Zhang, Time-varying gravity field from GPS observations: Evaluations and Applications, 6th CPGPS Forum, January 9-11, 2014, Xuzhou, Jiangsu, China. (**Invited**)
425. **Jin, S.G.**, and T.Y. Zhang, Automatic recognition of Martian craters based on MOLA-derived digital topography, *Proceeding of 2nd International Symposium on Instrumentation and Measurement, Sensor Network and Automation (IMSNA2013)*, December 23-24, 2013, Toronto, Canada, pp.1010-1013, doi: 10.1109/IMSNA.2013.6743452. (**SCI**)
426. Xue, Y.S., and **S.G. Jin**, Martian minerals components at Gale crater detected by MRO CRISM hyperspectral images, *Proceeding of 2nd International Symposium on Instrumentation and Measurement, Sensor Network and Automation (IMSNA2013)*, December 23-24, 2013, Toronto, Canada, pp.1067-1070, doi: 10.1109/IMSNA.2013.6743465. (**SCI**)
427. **Jin, S.G.**, Time-varying gravity field from GNSS and LEO satellite observations and its applications, *International Workshop on the Earth's structure and dynamics from geodetic and geophysical observations*, December 6, 2013, Wuhan, China. (**Invited**)

428. **Jin, S.G.**, and G.P. Feng, Antarctic circumpolar current from GRACE, GOCE and satellite altimetry, *Proceeding of Chinese Geophysical Society (CGS) Annual Meeting*, October 13-16, 2013, Kunming, China, p.16.
429. **Jin, S.G.**, and R. Jin, GPS seismo-ionospheric disturbances and behaviors following the 2008 Wenchuan and 2011 Tohoku earthquakes, *Proceeding of ION GNSS+ 2013*, September 16-20, 2013, Nashville, Tennessee, USA, pp.69-76. (EI)
430. Najibi, N., and **S.G. Jin**, Snow height and surface temperature variations from ground GPS receivers in Greenland, *Proceeding of ION GNSS+ 2013*, September 16-20, 2013, Nashville, Tennessee, USA, pp. 62-68. (EI)
431. **Jin, S.G.**, and N. Najibi, Snow surface air temperature variations from ground GPS receivers in Greenland, *International Association of Geodesy (IAG) Scientific Assembly*, September 1-6, 2013, Potsdam, Germany.
432. **Jin, S.G.**, and T.Y. Zhang, Evaluation of glacial isostatic adjustment effects in Tibet from GRACE, GPS and models, *International Association of Geodesy (IAG) Scientific Assembly*, September 1-6, 2013, Potsdam, Germany.
433. **Jin, S.G.**, and F. Zou, Recent melting of Greenland's glaciers observed by InSAR and satellite gravimetry, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS)*, 12-15 August, 2013, Stockholm, Sweden.
434. Najibi, N., and **S.G. Jin**, Integrated measurements of snow depth and air temperature variability from ground GPS receivers in Northern Canada, *International Symposium on Changes in Glaciers and Ice Sheets: Observations, Modelling and Environmental interactions*, July 28-August 2, 2013, Beijing, China
435. Barkin, Y., **S.G. Jin**, and W.B. Shen, Theoretical prediction and observation evidences on the northward drift and annual oscillation of the Earth's core from space geodesy, *International Symposium on Planetary Sciences (IAPS2013)*, July 1-4, 2013, Shanghai, China.
436. **Jin, S.G.**, and Y.S. Xue, Variations and fluctuations of the Venusian bow shock from Venus Express MAG and ASPERA-4 observations, *International Symposium on Planetary Sciences (IAPS2013)*, July 1-4, 2013, Shanghai, China. (Invited)
437. Xue, Y.S., and **S.G. Jin**, Minerals and rock components recognition at Martian Gale region from MRO CRISM hyperspectral images, *International Symposium on Planetary Sciences (IAPS2013)*, July 1-4, 2013, Shanghai, China.
438. Zhang, T.Y., and **S.G. Jin**, Automatic recognition of impact craters on Mars based on DEM data, *International Symposium on Planetary Sciences (IAPS2013)*, July 1-4, 2013, Shanghai, China.
439. **Jin, S.G.**, Variability of Martian atmospheric dust from Mars Odyssey THEMIS and Mars Global Surveyor TES observations, *Asia Oceania Geosciences Society (AOGS) Annual Meeting*, June 24-28, 2013, Brisbane, Australia. (Invited)
440. Chang, L., and **S.G. Jin**, MODIS infrared (IR) water vapor calibration model and assessment, *Proceeding of International Conference on Geoinformatics*, June 20-22, 2013, Kaifeng, China, pp. 1-5, doi: 10.1109/Geoinformatics.2013.6626197. (EI)
441. Feng, G.P., **S.G. Jin**, and F. Zou, Melting of ice-sheet in the Tian-Shan Mountains observed by satellite gravity measurements, *Proceeding of International Conference on Geoinformatics*, June 20-22, 2013, Kaifeng, China, pp. 1-5, doi: 10.1109/Geoinformatics.2013.6626208. (EI)
442. **Jin, S.G.**, Y. Barkin, and W.B. Shen, Observation evidences on the northward drift of the Earth's core from space geodesy, *Japan Geoscience Union Meeting*, May 19-24, 2013, Makuhari Messe, Japan.
443. **Jin, S.G.**, and N. Najibi, Can ground GNSS sense temperature variations over snow-covered ground?, *China Satellite Navigation Conference (CSNC)*, May 15-17, 2013, Wuhan, China. (Invited)
444. **Jin, S.G.**, and R. Jin, Ionospheric disturbances following the March 2011 Japan Earthquakes observed by GPS, *Proceeding of ION Pacific PNT 2013*, April 22-25, 2013, Honolulu, Hawaii, USA

445. Hassan, A.A., and **S.G. Jin**, Water cycle and climate signals in Africa observed by satellite gravimetry, *Proceeding of the 35th International Symposium on Remote Sensing of Environment (ISRSE35)*, 2014 IOP Conf. Ser.: Earth Environ. Sci., 17, 012149, pp.1-6, doi: 10.1088/1755-1315/17/1/012149. (SCI)
446. **Jin, S.G.**, and G.P. Feng, Glacier melting in Tibet observed from satellite gravity measurement, *International Conference on Cryosphere: Changes, Impacts and Adaptation*, November 10-12, 2012, Sanya, China.
447. Feng, G.P., **S.G. Jin**, and J. Sanchez Reales, Antarctic circumpolar currents from satellite altimetry and GOCE, *Annual Conference of China Polar Science*, October 24-27, 2012, Hangzhou, China.
448. **Jin, S.G.**, and G.P. Feng, Interannual variations of glacier melting in the Antarctic from satellite gravimetry, *Annual Conference of China Polar Science*, October 24-27, 2012, Hangzhou, China.
449. **Jin, S.G.**, and G.P. Feng, Global groundwater cycle and changes observed by satellite gravimetry, *Proceeding of International symposium on Gravity, Geoid and Height Systems (GGHS2012)*, Oct. 9-12, 2012, Venice, Italy, pp.283-288, doi: 10.1007/978-3-319-10837-7_36. (SCI)
450. Zhang, T.Y., and **S.G. Jin**, Glacial isostatic adjustment observed by GRACE, InSAR and GPS measurements, *Proceeding of Chinese Geophysical Society (CGS) Annual Meeting*, October 17-20, 2012, Beijing, China, p. 655.
451. **Jin, S.G.**, Space Geodesy: A window to the Earth Science, *Proceeding of Chinese Geophysical Society (CGS) Annual Meeting*, October 17-20, 2012, Beijing, China, pp. 24-25.
452. Jin, R., and **S.G. Jin**, Ionospheric anomalies following the 2011 Japan Tohoku Earthquake observed by GPS measurements, *Proceeding of Chinese Geophysical Society (CGS) Annual Meeting*, October 17-20, 2012, Beijing, China, p.714.
453. **Jin, S.G.**, What can Space Geodesy do? Recent results and challenges, *Forum on Geomatics Science and Technology*, 12-14 October 2012, Lanzhou, China
454. Sanchez-Reales,J.M., M. I. Vigo, **S.G., Jin**, and B. F. Chao, Seasonal and inter-seasonal variations of the geostrophic flow from altimetry and GOCE, *20 Years of Progress in. Radar Altimetry Symposium*. 24-29 September 2012, Venice, Italy, pp.
455. **Jin, S.G.**, and X.G. Zhang, Excitations of length-of-day variations determined from GPS, SLR and GRACE, *IAU XXVIII General Assembly*, 20-31 August, 2012, Beijing, China, pp.
456. Xue, Y.S., and **S.G. Jin** (2014), Variations and effects of the Venusian Bow Shock from VEX mission, *Proceedings of IAU Symposium 293*, 20-31 August, 2012, Beijing, China, pp. 329-332, doi: 10.1017/S1743921313013100. (SCI)
457. Jin, R., and **S.G. Jin** (2013), Secular variation and fluctuation of GPS Total Electron Content over Antarctica, *Proceedings of IAU Symposium 288*, 20-31 August, 2012, Beijing, China, pp.322-325, doi: 10.1017/S1743921312017139. (SCI)
458. **Jin, S.G.**, and G.P. Feng, Melting of ice-sheet in Tibet confirmed by satellite gravity measurement, *International Symposium on Space Geodesy and Earth System*, August 18-20, 2012, Shanghai, China.
459. Zhang, T.Y., and **S.G. Jin**, Evaluation of glacial isostatic adjustment uplift rates in the Tibetan Plateau from satellite gravimetry, *International Symposium on Space Geodesy and Earth System*, August 18-20, 2012, Shanghai, China.
460. **Jin, S.G.**, Low degree gravitational changes and large scale mass transport from GPS, SLR and GRACE, *International Symposium on Space Geodesy and Earth System*, Aug. 18-20, 2012, Shanghai, China.
461. Hassan, A.A., and **S.G. Jin**, GRACE Detection of water storage variation in Africa and its response to climate events, *International Symposium on Space Geodesy and Earth System*, Aug. 18-20, 2012, Shanghai, China.
462. Najibi, N., and **S.G. Jin**, Snow depth and ice thickness in Northern Canada retrieved from GPS code-phase difference multipath signals, *International Symposium on Space Geodesy and Earth System*, August 18-20, 2012, Shanghai, China, pp.

463. **Jin, S.G.**, and L.J. Zhang, Seasonal and secular variation of hydrological loading displacements from GPS, GRACE and models, *AOGS-AGU (WPGM) Joint Assembly*, 13-17 August, 2012, Singapore. **(Invited)**
464. **Jin, S.G.**, Variations of Earth's dynamic oblateness detected by GPS, OBP, and GRACE, *AOGS-AGU (WPGM) Joint Assembly*, 13-17 August, 2012, Singapore.
465. Chang, L., and **S.G. Jin**, InSAR tropospheric delays mitigation in the Tibetan Plateau using GPS Radio occultation and NCEP data, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 22-27 July 2012, Munich, Germany, pp. 7519-7522, doi: 10.1109/IGARSS.2012.6351892. **(EI)**
466. **Jin, S.G.**, GNSS Atmospheric Seismology: A case study of the 2008 Mw7.9 Wenchuan Earthquake, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 22-27 July 2012, Munich, Germany, pp. 7504-7507, doi: 10.1109/IGARSS.2012.6351896. **(EI)**
467. Feng, G.P., and **S.G. Jin**, Global water cycle and climate change signals observed by satellite gravimetry, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, July 22-27, 2012, Munich, Germany, pp. 832-835, doi: 10.1109/IGARSS.2012.6351432. **(EI)**
468. **Jin, S.G.**, and Y.S. Xue, Martian ionospheric sounding from recent missions: Current status and questions, *39th COSPAR Scientific Assembly*, July 14-22, 2012, Mysore, India.
469. **Jin, S.G.**, Behaviors and processes of atmospheric-earthquakes from GNSS observations, *China Satellite Navigation Conference (CSNC)*, May 15-19, 2012, Guangzhou, China. **(Invited)**
470. **Jin, S.G.**, Seismo-Electromagnetics: GNSS observations and implications for recent earthquakes, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS)*, March 27-30, 2012, Kuala Lumpur, Malaysia, pp.
471. **Jin, S.G.**, V. Demyanov and F. Pulvirenti, GNSS Atmospheric Seismology: Recent earthquakes observations and implications, *Proceeding of Chinese Geophysical Society (CGS) Annual Meeting*, October 18-21, 2011, Changsha, China, pp. 34. **(Invited)**
472. Zhang, L.J., **S.G. Jin**, and G. Feng, Estimate of vertical water loading deformation from GPS, GRACE and hydrological models, *Proceeding of Chinese Geophysical Society (CGS) Annual Meeting*, October 18-21, 2011, Changsha, China, pp. 861-862.
473. Sanchez-Reales, J., I. Vigo, **S.G. Jin**, and B. Chao, Global surface geostrophic currents derived from satellite ocean altimetry and a GOCE geoid, *AGU Fall Meeting*, 5-9 December 2011, San Francisco, CA, USA, Abstract #G43A-0757.
474. **Jin, S.G.**, and R. Jin, Co-seismic ionospheric disturbances following the 2008 Mw8.0 Wenchuan Earthquake from GPS observations, *Proceeding of XXX URSI General Assembly and Scientific Symposium*, 13-20 August 2011, Istanbul, Turkey, pp. 1-4.
475. **Jin, S.G.**, and G.P. Feng, Bistatic reflectometry and refractometry using GNSS signals in the Earth's surface and atmosphere, *Proceeding of Progress In Electromagnetics Research Symposium (PIERS 2011)*, Sep. 12-16, 2011, Suzhou, China, pp.
476. Wei, H.H., **S.G. Jin**, and X. He, Effects of zenith tropospheric delay estimates from GPS observations during the CONT08 campaign, *Proceeding of International Workshop on GNSS Remote Sensing for Future Sciences and Missions*, August 7-9, 2011, Shanghai, China, pp.
477. **Jin, S.G.**, G.P. Feng and S. Glason, GNSS remote sensing: Current status and future directions, *Proceeding of International Workshop on GNSS Remote Sensing for Future Sciences and Missions*, August 7-9, 2011, Shanghai, China, pp.
478. Zhang, L.J., **S.G. Jin**, and G.P. Feng, Effects of water loading deformation on GPS coordinates from GRACE and models, *Proceeding of International Workshop on GNSS Remote Sensing for Future Sciences and Missions*, August 7-9, 2011, Shanghai, China, pp.

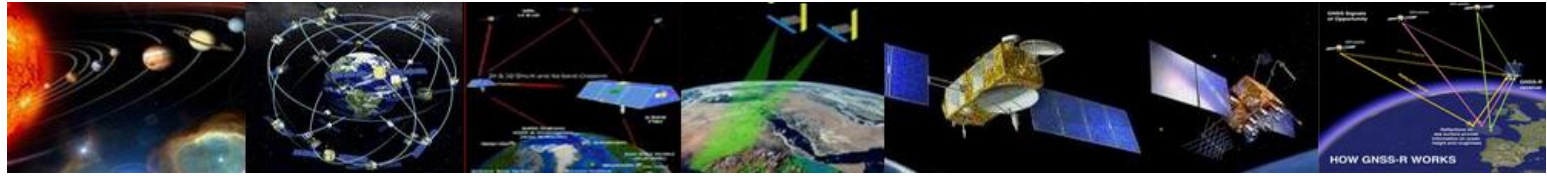
479. **Jin, S.G.**, V. Demyanov, R. Jin, GNSS seismo-ionospheric disturbances: Recent earthquakes observations and implications, *Proceeding of International Workshop on GNSS Remote Sensing for Future Sciences and Missions*, August 7-9, 2011, Shanghai, China, pp.
480. Feng, G..P., **S.G. Jin**, and L.J. Zhang, Hydrological cycle from GPS and GRACE measurements: Results and problems, *Proceeding of International Workshop on GNSS Remote Sensing for Future Sciences and Missions*, August 7-9, 2011, Shanghai, China, pp.
481. **Jin, S.G.**, and T.Y. Zhang, Venus seismicity and tectonic activities detected by atmospheric perturbations, *Asia Oceani Geosciences Society (AOGS 2011)*, 08-12 August 2011, Taipei, Taiwan
482. **Jin, S.G.**, and R. Jin, GPS Ionospheric mapping and tomography: A case of study in a geomagnetic storm, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 24-29 July, 2011, Vancouver, Canada, pp. 1127-1130, doi: 10.1109/IGARSS.2011.6049395. **(EI)**
483. **Jin, S.G.**, and G.P. Feng, GNSS remote sensing roles in the atmosphere, ocean, hydrology and cryosphere, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 24-29 July, 2011, Vancouver, Canada, pp.
484. **Jin, S.G.**, Surface mass excitations of length-of-day variations determined from SLR and GRACE, *IUGG 2011 General Assembly*, 28 June - 7 July 2011, Melbourne, Australia.
485. **Jin, S.G.**, L.J. Zhang, and G.P. Feng, Earth's surface fluid variations and deformations from GPS and GRACE in global warming, *Proceeding of IEEE 19th International Conference on GeoInformatics*, June 24-26, 2011, Shanghai, China, pp.1-4, doi: 10.1109/GeoInformatics.2011.5981143. **(EI)**
486. Zhang, L.J., **S.G. Jin**, and G.P. Feng, GPS height error sources and its precision improvement using multi-satellite observations, *Proceeding of China Satellite Navigation Conference (CSNC)*, May 2011, Shanghai, China, pp. **(ISTP)**
487. Sanchez-Reales, J., I. Vigo, **S.G. Jin**, B. Chao, Global geostrophic currents from satellite altimetry and GOCE, *Proceeding of 4th International GOCE User Workshop*, 31 March to 1 April 2011, München, Germany
488. **Jin S.G.**, Earth's surface and atmospheric characteristics from GPS reflected and refracted signals, *URSI-F Symposium on Microwave Remote Sensing of the Earth, Oceans, and Atmosphere*, 4-8 October 2010, Florence, Italy. **(Invited)**
489. **Jin, S.G.**, G.P. Feng, and L.J. Zhang, Assessment of GRACE-derived water mass excitations to polar motion and length-of-day, *GGOS/IAU Workshop on Observing and Understanding Earth Rotation*, October 25-28, 2010, Shanghai, China, pp.
490. Zhang, L.J., **S.G. Jin**, and G.P. Feng, Seasonal surface mass loading deformation from GPS, GRACE and Geophysical models, *GGOS/IAU Workshop on Observing and Understanding Earth Rotation*, October 25-28, 2010, Shanghai, China, pp.
491. **Jin, S.G.**, C. Liu, and J. Sánchez Reales, High-latitude surface fluids mass contribution to polar motion from GRACE measurements, *GGOS/IAU Workshop on Observing and Understanding Earth Rotation*, October 25-28, 2010, Shanghai, China, pp.
492. **Jin, S.G.**, What can GPS do in Geodesy and Geodynamics: Recent roles and limitations, *CPGPS Technical Forum on Satellite Navigation & Positioning*, August 18-20, 2010, Shanghai, China.
493. **Jin, S.G.**, 3-D ionospheric behaviours during the 20 November 2003 geomagnetic storm from GPS measurements, *2nd International Space Weather Symposium*, October 17-21, 2009, Nanjing, China.
494. **Jin, S.G.**, S. Gleason, and J.H. Cho, Ocean surface status from GPS reflectometry and satellite Altimetry: Results and comparisons, *International Association of Geodesy (IAG) Scientific Assembly*, 31 August-4 September 2009, Buenos Aires, Argentina.
495. Verhagen S., D. Gregner-Brzezinska, G. Retscher, M. Santos, X. Ding, Y. Gao, **S.G. Jin**, and R. Webber, Positioning and applications for planet Earth, IAG Symposia Book Series: IAG General Assembly-Geodesy for

- Planet Earth, Buenos Aires, Argentina, 31 August-4 September 2009, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-642-20337-4, 136, pp.713-718, doi: 10.1007/978-3-642-20338-1_88. (SCI)
496. **Jin, S.G.**, and P. H. Park, A method to selecting core geodetic stations for the reference frame and rigid plate motion, *International Association of Geodesy (IAG) Scientific Assembly*, 31 August-4 September 2009, Buenos Aires, Argentina.
497. **Jin, S.G.**, A. Gusev, and N. Petrova, Selenodesy and Selenophysics: Recent results and problems, *International Scientific Symposium on The Moon, moons and planets: Robotic Explorations and Comparisons*, August 22 - 26, 2009, Kazan, Russia. (Invited)
498. **Jin, S.G.**, New Roles of GNSS in Geodesy and Geosciences, *International Technical Meeting on GNSS (ITM-GNSS)-Innovation and Application*, August 8-10, 2009, Beijing, China.
499. Verhagen S., D. Gregner-Brzezinska, G. Retscher, M. Santos, X. Ding, Y. Gao, **S.G. Jin**, and R. Webber, Geodetic sensor systems and sensor networks - Positioning and applications, *IAG Symposia Book Series: VII Hotine-Marussi Symposium on Theoretical Geodesy*, Rome, Italy, 6-10 July 2009, Springer Verlag, Heidelberg, Germany, ISBN: 978-3-642-22077-7, 137, pp.47-51, doi: 10.1007/978-3-642-220784_7. (SCI)
500. **Jin, S.G.**, and O. Luo, GNSS Reflectometry: Applications and progresses, *IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 13-17 July 2009, Cape Town, South Africa.
501. **Jin, S.G.**, and J. Cho, RIMT: A tool for Regional Ionospheric Mapping and Tomography using GPS data, *Proceeding of IEEE Geoscience and Remote Sensing Symposium (IGARSS)*, 13-17 July 2009, Cape Town, South Africa.
502. Afraimovich, E., D. Feng, V. Kiryushkin, E. Astafyeva, and **S.G. Jin**, Near-field TEC response to the main shock of the 2008 Wenchuan earthquake, EGU General Assembly, April 19-24, 2009, Vienna, Austria, *Geophysical Research Abstracts*, EGU2009-1266.
503. **Jin, S.G.**, and J. Cho, Effects on the Earth's shape due to ocean mass redistributions from GRACE observations in a warming climate, EGU General Assembly, April 19-24, 2009, Vienna, Austria, *Geophysical Research Abstracts*, EGU2009-2603. (Invited)
504. **Jin, S.G.**, W.Y. Zhu, and J. Park, Insights on the 2008 Wenchuan Earthquake from GPS network observations, EGU General Assembly, April 19-24, 2009, Vienna, Austria, *Geophysical Research Abstracts*, EGU2009-3898.
505. **Jin, S.G.**, Z. Li, and E. Afraimovich, Far-field signals on 2008 Mw=8.0 Wenchuan Earthquake from GPS seismometer and TEC, AGU Fall Meeting, December 15-19, 2008, San Francisco, CA, USA, *Eos Trans. AGU*, 89(52), Fall Meet. Suppl., Abstract G43A-0658.
506. **Jin, S.G.**, Y. Barkin, and P. Park, Geodetic observations of Earth shape change and dynamic mechanism, *IAG International Symposium on Gravity, Geoid and Earth Observation*, 23-27 June 2008, Chania, Crete, Greece.
507. **Jin, S.G.**, J. Cho, and J. Park, GPS Observations from Space to Earth's interior: Recent results and Challenges, *Asia Oceania Geosciences Society (AOGS) General Assembly*, 16-20 June 2008, Busan, South Korea. (Invited)
508. **Jin, S.G.**, Y. Barkin, and P. Park, Asymmetrical Earth's Surface shape variations and Crust-Mantle-Core coupling, *Asia Oceania Geosciences Society (AOGS) General Assembly*, 16-20 June 2008, Busan, South Korea.
509. **Jin, S.G.**, Y. Wu, Z. Wang, and J. Liu, Performance evaluation of carrier-phase cycle slips detection with future multi-frequency GNSS observations, *Proceeding of IEEE/ION PLANS*, May 5-8, 2008, Monterey, CA, USA.
510. **Jin, S.G.**, and J. Park, Evaluation of the IRI-2001 model in South Korea with 3D GPS ionospheric observations, *Proceeding of IEEE/ION PLANS*, May 5-8, 2008, Monterey, CA, USA.
511. **Jin, S.G.**, J. Park, and J. Cho, Retrieval of Ionospheric slab thickness and its variations from 3-D GPS observations, EGU General Assembly, April 13-18, 2008, Vienna, Austria, *Geophysical Research Abstracts*, EGU2008-A-01981.

512. Ouyang, G., J. Wang, and **S.G. Jin**, Some issues on monitoring near real time 3D ionosphere with ground and space GPS Data, *Proceeding of the Second CPGPS Youth Forum on Next Generation GNSS - Opportunities and Challenges*, January 5-7, 2008, Guangzhou, China.
513. **Jin, S.G.**, GPS models/combinations and its applications: Progresses and challenges, *Proceeding of the Second CPGPS Youth Forum on Next Generation GNSS - Opportunities and Challenges*, January 5-7, 2008, Guangzhou, China. **(Invited)**
514. **Jin, S.G.**, and P. Park, Tectonic activities and deformation in South Korea constrained by GPS observations, *Proceeding of the 2nd IASME/WSEAS International Conference on Geology and Seismology*, February 20-22, 2008, University of Cambridge, Cambridge, UK, pp.43-47. **(SCI)**
515. **Jin, S.G.**, and J. Park, Performance of 3-D ionospheric monitoring by ground GPS and GPS Radio Occultation, *Proceeding of the Navigation Conference & Exhibition, Royal Institute of Navigation (RIN)*, 30 October-1 November 2007, London, UK.
516. **Jin, S.G.**, P. Park, J. Park, and J. Cho, Can GPS detect tectonic activities (e.g. earthquake)? *4th Annual Assembly of Asia Oceania Geosciences Society (AOGS)*, 31 July - 4 August 2007, Bangkok, Thailand.
517. Wu, J., D. Zhao, and **S.G. Jin**, Application and analysis of three Precise Point Positioning models, *4th Annual Assembly of Asia Oceania Geosciences Society (AOGS)*, 31 July - 4 August 2007, Bangkok, Thailand.
518. **Jin, S.G.**, P. Park, J. Park, and J. Cho, Why is South Korea lowly seismic around active earthquake zones? Geodetic evidences, *4th Annual Assembly of Asia Oceania Geosciences Society (AOGS)*, 31 July - 4 August 2007, Bangkok, Thailand. **(Invited)**
519. Petrova, N., **S.G. Jin**, A. Gusev, and Y. Barkin, Modern problems of selenodesy and selenodynamics, *4th Annual Assembly of Asia Oceania Geosciences Society (AOGS)*, 31 July - 4 August 2007, Bangkok, Thailand.
520. Cho, J., J. Park, and **S.G. Jin**, A proposal for GNSS aided severe rainfall alarming system in East Asia region, *4th Annual Assembly of Asia Oceania Geosciences Society (AOGS)*, 31 July - 4 August 2007, Bangkok, Thailand.
521. **Jin, S.G.**, and J. Park, A mid-ocean ridge fixed absolute reference frame: Comparison and analysis, *IUGG XXIV General Assembly, Earth: Our Changing Planet*, 2-13 July 2007, Perugia, Italy.
522. **Jin, S.G.**, and P. Park, Geodetic inversion of fault geometry and slip distribution: A case of co-/post-seismic study, *IUGG XXIV General Assembly, Earth: Our Changing Planet*, 2-13 July 2007, Perugia, Italy.
523. **Jin, S.G.**, and P. Park, Is there Amurian plate in northeast Asia? Geodetic observation evidences, *IUGG XXIV General Assembly, Earth: Our Changing Planet*, 2-13 July 2007, Perugia, Italy.
524. **Jin, S.G.**, J. Cho, and J. Wu, Tropospheric response to the 20 November 2003 geomagnetic storm using global GPS network data, *IUGG XXIV General Assembly, Earth: Our Changing Planet*, 2-13 July 2007, Perugia, Italy.
525. **Jin, S.G.**, J. Park, and J. Cho, Ionospheric F2-layer behaviours during the geomagnetic storm: Ground-GPS, CHAMP/COSMIC observations and implications, *Proceeding of International Workshop on GNSS Radio Occultation and Applications*, 28- 30 May 2007, Jeju, South Korea.
526. **Jin, S.G.**, H. Chen, P. Park, and L. Ge, Fault geometry and slip distribution of the 10 December 2003 Taiwan Mw 6.5 earthquake from continuous GPS observations, AGU Joint Assembly, 22-25 May 2007, Acapulco, Mexico, *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract G43B-01.
527. **Jin, S.G.**, Y. Barkin, and J. Park, Earth's shape variations: Geodetic observations and crust-mantle-core rotation modeling, AGU Joint Assembly, 22-25 May 2007, Acapulco, Mexico, *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract G42A-05. **(Invited)**
528. Barkin, Y., and **S.G. Jin**, On variations of the mean radius of the Northern and Southern Hemispheres of the Earth, EGU General Assembly, 15 - 20 April 2007, Vienna, Austria, *Geophysical Research Abstracts*, EGU2007-A-08183.

529. **Jin, S.G.**, J. Park, P. Park and B. Choi, Ionospheric peak parameter foF2 and its variation trend observed by ground-based GPS, *Proceeding of International Symposium on GPS/GNSS*, 18-21 October 2006, Jeju, South Korea, Vol 2, pp.181-184.
530. **Jin, S.G.**, J. Park, P. Park and J. Cho, Effects of geomagnetic storms on the middle atmosphere and troposphere by ground-based GPS observations, *Proceeding of International Symposium on GPS/GNSS*, 18-21 October 2006, Jeju, South Korea, Vol 2, pp.47-51.
531. **Jin, S.G.**, P. Park, T. Kato, H. Xu, X. Xiong, J. Li, and M. Iwakuni, Active tectonics in NE Asia: A test of independent Amurian block motion by GPS velocities, *Proceeding of International APSG Workshop on Space Geodesy and Planetary Geodynamics*, 18-21 October 2006, Jeju, South Korea.
532. **Jin, S.G.**, J. Cho, J. Park, and P. Park, GPS and VLBI meteorology: Methodologies and comparisons, *Proceeding of International APSG Workshop on Space Geodesy and Planetary Geodynamics*, 18-21 October 2006, Jeju, South Korea.
533. **Jin, S.G.**, and P. Park, Geodetic results and discussion on the Amurian block geometry in NE Asia, *International Workshop on the collaborative project between China-Japan-Korea*, 26-27 September 2006, Tokyo, Japan.
534. **Jin, S.G.**, P. Park, T. Kato, H. Xu, X. Xiong, J. Li, J. Baek, and M. Iwakuni, Active plate tectonics and kinematics in Northeast Asia: Geodetic observations and block modeling, *Proceeding of International Workshop on Tectonics of Plate Convergence Zones*, 28-29 September 2006, Tokyo, Japan.
535. **Jin, S.G.**, J. Park, P. Park and J. Cho, Modelling systematic residuals in absolute ZTD estimation from GPS measurements, *Proceeding of IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, 31 July - 4 August 2006, Denver, Colorado, USA, pp.2623-2626, doi: 10.1109/IGARSS.2006.677. (EI)
536. Baek, J., Y. Shin, **S.G. Jin**, and P. Park, Geodetic Study on the tectonic boundary of the Southeast Korean Peninsula, Western Pacific Geophysics Meeting, 24-27 July 2006, Beijing, China, *Eos Trans. AGU*, 87(36), West. Pac. Geophys. Meet. Suppl., Abstract G42A-07.
537. **Jin, S.G.**, P. Park, H. Xu, and T. Kato, Crustal deformation and tectonics in Northeast Asia: GPS observations, Western Pacific Geophysics Meeting, 24-27 July 2006, Beijing, China, *Eos Trans. AGU*, 87(36), West. Pac. Geophys. Meet. Suppl., Abstract G11A-01.
538. **Jin, S.G.**, J. Park, B. Choi, and P. Park, Assessment of ionospheric characteristic parameters obtained by GPS tomography, Western Pacific Geophysics Meeting, 24-27 July 2006, Beijing, China, *Eos Trans. AGU*, 87(36), West. Pac. Geophys. Meet. Suppl., Abstract G34B-0066.
539. **Jin, S.G.**, J. Park, and P. Park, Does stochastic modelling affect long baseline GPS positioning? *Proceeding of 36th COSPAR Scientific Assembly*, 16 - 23 July 2006, Beijing, China, COSPAR2006-A-00505.
540. **Jin, S.G.**, J. Park, B. Cho, and P. Park, Variations of the NmF2 during the storm observed by GPS over South Korea, *Proceeding of 36th COSPAR Scientific Assembly*, 16 - 23 July 2006, Beijing, China, COSPAR2006-A-00508.
541. Barkin, Y., and **S.G. Jin**, The kinematics and dynamics of the Earth hemispheres, EGU General Assembly, 02 - 07 April 2006, Vienna, Austria, *Geophys. Res. Abstracts*, EGU06-A-01680.
542. **Jin, S.G.**, and P. Park, Micro-plate tectonics and kinematics in Northeast Asia: Geological and GPS evidences, *International Workshop on the collaborative project between China-Japan-Korea*, May 26-27, 2006, Wuhan, China.
543. **Jin, S.G.**, Z. Li, and P. Park, Crustal Kinematics in Chuan-Dian (eastern Tibet, China) constrained by combining GPS and gravity observations, AGU Fall Meeting, December 5-9, 2005, San Francisco, CA, USA, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract G11A-1193.
544. Park, J., **S.G. Jin**, and P. Park, A new improvement of ZTD estimation by modeling GPS systematic residuals, AGU Fall Meeting, December 5-9, 2005, San Francisco, CA, USA, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract G21B-1282.

545. **Jin, S.G.**, and P. Park, Seasonal signal detection and assessment of GPS coordinate time series in Northeast Asia, *International Workshop on the collaborative project between China-Japan-Korea*, November 28-29, 2005, Seoul, South Korea.
546. **Jin, S.G.**, P. Park, J. Baek, H. Xu, X. Xiong, and T. Kato, Initial crustal movement in Northeast Asia deduced from GPS observations, *International Workshop on the collaborative project between China-Japan-Korea*, November 28-29, 2005, Seoul, South Korea.
547. **Jin, S.G.**, P. Park, and L. Ge, A reappraisal of the impact of a No-Net-Rotation Condition on the ITRF2000, *Proceeding of IAG Scientific conference on Dynamic Planet*, August 22-26, 2005, Cairns, Australia, CD-ROM.
548. **Jin, S.G.**, J. Wang, Z. Hossain, P. Park, and J.U. Park, Monitoring ionospheric behaviors over Australia using GPS-derived total electron content (TEC), *Proceeding of IAG Scientific Conference on Dynamic Planet*, August 22-26, 2005, Cairns, Australia, CD-ROM.
549. Kato, T., P. Park, **S.G. Jin**, H. Xu, and X. Xiong, Crustal movements in Eastern Asia by GPS: A multilateral collaborative project between China-Japan-Korea, *IAG Scientific Conference on Dynamic planet*, August 22-26, 2005, Cairns, Australia.
550. **Jin, S.G.**, P. Park, and U. Han, A new revision of model in GAMIT and its achievements, *Proceeding of the International APSG Workshop on Geodynamics and Natural Hazards*, June 15-17, 2005, Hong Kong, pp.101-108.
551. **Jin, S.G.**, J. Park, P. Park, and B. Choi, Effects of ionospheric behavior detected by GPS-derived TEC over Korea, *Proceeding of the International APSG Workshop on Geodynamics and Natural Hazards*, June 15-17, 2005, Hong Kong, pp.109-116.
552. **Jin, S.G.**, and P. Park, The realized accuracy and impacts of a NNRC on ITRF2000, *Proceeding of the International APSG Workshop on Geodynamics and Natural Hazards*, June 15-17, 2005, Hong Kong, pp.263-269.
553. **Jin, S.G.**, A method to establish GPS grid ionospheric correction model, *Proceeding of Pan Ocean Remote Sensing Conference (PORSEC)*, Nov. 29-Dec. 3, 2004, Concepcion, Chile, pp.1-7.
554. **Jin, S.G.**, and J. Wang, Impacts of stochastic modeling on GPS-derived ZTD estimations, *Proceeding of ION GNSS 2004*, Sep. 21-24, Long Beach, California, USA, pp.941-946. (EI)
555. Zhu, W., and **S.G. Jin**, Tectonic motion characteristics of the Earth planet: from 10Ma to now, Western Pacific Geophysics Meeting, 16-20 August 2004, Honolulu, Hawaii, USA, *Eos. Trans. AGU*, 85(28), West. Pac. Geophys. Meet. Suppl., Abstract G43A-71.
556. **Jin, S.G.**, Stochastic modeling for long baseline GPS positioning, *Proceeding of International Symposium on GPS/GNSS*, 6-8 December 2004, Sydney, Australia, CD-ROM.
557. **Jin, S.G.**, and W.Y. Zhu, Is the motion of the Southern Hemisphere slowing down?, *IUGG 2003 General Assembly*, June 30 - July 11, 2003, Sapporo, Japan.
558. **Jin, S.G.**, and W.Y. Zhu, Application progresses of GPS as a new remote sensing tool, *Proceeding of International Symposium on GPS/GNSS*, November 6 - 8, 2002, Wuhan, China, CD-ROM.
559. **Jin, S.G.**, and W.Y. Zhu, Quantitative analysis of the Southern Hemisphere slowing expansion, *Proceeding of International Workshop on the Use of Space Techniques for Asia-Pacific Regional Crustal Movements Studies*, August 5-11, 2002, Irkutsk, Russia, pp.154-164.



<http://www.shao.ac.cn/geodesy>

<https://publons.com/researcher/1738629/shuanggen-jin>

<https://www.linkedin.com/in/shuanggen-jin>

