

CURRICULUM VITAE for GE of AOGS2025



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Dr. Fuqiong HUANG is a Research Professor of Earthquake Seismology in China Earthquake Networks Center (CENC), China Earthquake Administration (CEA), Ministry of Emergency Management of China (MEMC). The research fields involve in hydrogeology, engineering geology, structural geology, tectonophysics, petro-geology, geochemistry, earthquake hydrology & hydro-seismology, induced seismicity, especially in the interaction between fluids and rocks and its role during earthquake preparation & occurrence aimed at earthquake prediction routine work, as well as the mechanisms for understanding the earthquake process, and those related.

Dr. Fuqiong HUANG got Assistant Professor at the Geological Institute, State Seismological Bureau (SSB) of China in 1993, Associate Professor at the Center for Analysis and Prediction, China Seismological Bureau (CSB) in 1998, Research Professor and Senior Researcher at the China Earthquake Networks Center, China Earthquake Administration (CEA) in 2005 and 2011 respectively.

Dr. Fuqiong HUANG hold a PhD in Solid Earth Geophysics from the Institute of Geophysics, CEA and a Master's degree in Tectonophysics and Geodynamics from Institute of Geology, the State Seismological Bureau (SSB) of China, as well as the Bachelor's degree in Hydrogeology and Engineering Geology from Hebei Geosciences University. She is a life member of the Seismological Society of America, the Seismological Society of China (SSC), the China Geophysical Union (CGU), and the European Geophysical Union (EGU), and a member of the American Geophysical Union (2004-2018), a member of Asian Oceania Geoscience Society (AOGS), and also continues to serve as Section Secretary of Solid Earth, Regional Advisory Committee of AOGS, Secretary General of Earthquake Prediction Committee and Vice Director member of Science Literacy Committee of SSC.

As a vice chair of group authority of fluid discipline of CEA, the chair of panel of fluid discipline in Capital Area of CEA, and the chief scientist of fluid discipline in Center for Analysis and Prediction and in China Earthquake Networks Center successively, the **routine works** focus on data mining, searching

for anomalies from observation data real time through multidisciplinary approaches and giving risk assessment of disastrous earthquake of Chinese Mainland by weekly, monthly and yearly time duration. There are more than 10 open annual reports about risk assessment of disastrous earthquake in Chinese mainland and in Capital area respectively had been published by Seismological Press, in Beijing, China during 2000-2006.

Dr. Fuqiong HUANG's research interests mostly involve in the mechanisms of precursors in earthquake preparation process via national projects including but not limited in, undertaking National Five-year-plan projects (5 items), China Natural Science Foundation (NSFC) projects (4 items), National 973 Continental Strong Earthquake Mechanisms and Prediction project (1 item), Joint Earthquake Science Foundation project (2 items), international cooperation projects (5 items); organizing annual conferences of China Earthquake Prediction Forum (since 2012) to collect potential methods and to promote co-operation of related research fields in national / international wide; convening sessions for international conferences.

There are more than 100 research articles have been published in Chinese and in English; there had been 5 times to obtain Science and Technology Progress Award of CEA; and once was awarded by One hundred Outstanding Talents program of CEA (in 2007) on behalf of the above works.

There have been **more than 20 sessions** convened and/or co-convened in international conferences since 2006, where session topics include, (1) **Faults and Earthquakes: Networks, Precursors, Monitoring Systems and Numerical Modelling Techniques** in AOGS Annual meeting of 2023-2025, (2) **Faults and Earthquakes: Networks, Precursors and Monitoring Systems** in AOGS Annual meeting of 2019-2022 (2019 onsite in Hawaii, 2020 cancelled due to COVID-19, 2021-2022 virtual meeting), (3) **A 10-year review of researches on the 2008 Wenchuan Ms8.0 earthquake** in AOGS2018 (held in Honolulu), (4) **Preparation process of great earthquakes and related phenomena: observations and debates on potential precursory anomalies at different spatial-temporal scales** in AOGS Annual during 2016-2018, (5) **Earthquake Hydrology & Hydro-seismology** in AOGS Annual during 2006-2017, (6) **A 10-year review of researches on the 2008 Wenchuan Ms8.0 earthquake** in AGU Fall meeting in 2017 (with Professor Amos Nur etc.), (7) **Earthquake Hydrology & Hydro-seismology** in WPGM Beijing, 2006. She tried the best to support the growth of AOGS through convening sessions and inviting participants. The number of abstracts of her convened session for AOGS2024 in Korea lined up in Top sixth.

There are lots of social works involved but not limited in science literacy for publics, data mining for scientific research, research supervisor for Institute of Geophysics, CEA and universities of College of

Disaster Prevention and Technology and of North China University of Science and Technology, journal editor and peer reviewer for Chinese journals and international journals respectively, the services of international organizations, as well as social survey reports on science literacy of natural hazards.

The contributions to science literacy of earthquake risk and natural hazards which induced by earthquakes are carried out through responsibilities of (1) vice director of Local Earthquake Administration of Fengtai District of Beijing (2011-2012), (2) chief scientist of science literacy of earthquake monitoring and prediction practice appointed by China Association for Science and Technology (CAST) (2017-2020), (3) a lecturer of seminars on Meteorological and Earthquake Forecast, Mitigation and Relief for developing countries, sponsored by World Meteorological Organization Regional Training Center of Nanjing China, in Nanjing University of Information Science & Technology (2014-2021), where hundreds of participants came from more than 30 countries, (4) Secretary general of Committee on Earthquake Prediction, and Vice Director of Science Literacy Committee of SSC (at present).

International services include acting as China National Representative of International Seismological Centre (ISC) (2012-2020) to promote the cooperation between CEA & ISC, as SE Section secretary of AOGS (2007-2016, 2018-present) for annual conference to nominate candidates of DL, KL, AL, to make services of MTE, and to convene sessions for SE section and IG section, and the related section issues during the annual conference, especially in the Pandemic time, as Regional Advisory Committee (RAC) member of AOGS to promote regional cooperation through organizing strong earthquake group and so on from 2023-2025.

As a graduate supervisor, Dr. Fuqiong HUANG earned an award for Extraordinary Advisor for a MS committee from CEA in 2012. Many of the graduated students now have been graduate supervisors.

As a Guest Associate Editor in Solid Earth Geophysics of *Frontiers in Earth Science*, there were 2 series of Research Topics of “*From Preparation to Faulting: Multidisciplinary Investigations on Earthquake Processes*” published in 2023 and 2024 respectively, the current Research Topic is “*Faults and Earthquakes Viewed by Networks, Monitoring Systems and by Numerical Modelling Techniques*”.

The devotions to social survey reports on science literacy of natural hazards have earned excellent member of Beijing area of China Democratic National Construction Association (2014-2016, 2017-2020, 2021-2023), including an Excellent Essay Award of the Think Tank Forum of Working Committee for Central State Organs of China (2017).