

Mission Statement for Solid Earth Sciences (SE) Section Presidency 2026-2028

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With the greatest of per-capita growth of science investment, the greatest growth of population and economic, as well as the greatest growth of death toll and economic losses of the planet due to natural hazards of global change, the Asia-Oceania region is now facing increasingly strained dependencies on natural resources, food and freshwater security, and exposure and particularly vulnerable to a multitude of Solid Earth processes and natural hazards. The AOGS science community plays a crucial role helping to formulate a sustainable road map for growth in the region through science and technology, and increasingly lead the way for human prosperity on planet Earth. In Asia-Oceania region, recent occurred strong earthquakes, long lasting flooding, violent volcano erupting, as well as the tragic wild fire, and so on, the disaster chains leave for AOGS science community new challenges and opportunities: a linchpin role of AOGS is coming.

I am immensely humbled to be nominated for election to the Asia Oceania Geosciences Society's Solid Earth Sciences (SE) Section Presidency. I have served as section secretary since 2007, with a brief interruption in 2016-2017. As section secretary, I actively and positively cooperated with section presidents to support the program development through award and lecture nominations, as "emergency" convener/chair during the pandemic years of virtual conferences, and supporting mentorship development initiatives like MTE (Meet-The-Experts) and as a thoughtful, caring, knowledgeable, and professional student best poster (SBP) judge. With interactions with AOGS through positively joining the activities, I obtain growing up personally and deep inside knowledge of AOGS and deeply care for AOGS' mission.

Through lecturing for the seminar 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 the participants came from more than 30 countries, and through mining scientific data during performing as national representative of International Seismological Centre, as well as through social surveying on science literacy of natural hazards, I have learned much about the most potential natural disasters of Asia-Oceania region. I truly enjoy advocacy for AOGS and offer myself to serve the needs of AOGS and the AOGS science community to strengthen the ties within and beyond the Solid Earth science section at AOGS, to contribute to promote the linchpin position of AOGS in science and technology of Asia and Oceania region.

My vision to strengthen AOGS and the Solid Earth section includes to:

- a) Strengthen the Solid Earth section within, by encouraging members to organize Solid Earth sessions at the annual meeting, by encouraging increased collaboration across Solid Earth sub-disciplines and country boundaries, and through outreach activities. I will try to engage researchers in government and academia who can contribute to and benefit from AOGS/SE activities, both from within and beyond the Asia Oceania region.
- b) Strengthen cross-disciplinary science initiatives between SE and other sections, by engaging in discussion across sections of AOGS. I will work toward fostering integrating and synergetic ideas for sessions, advocacy, and promoting cross-disciplinary research, especially in the field of disaster chain of natural hazards through working group on strong earthquakes.
- c) Strengthen AOGS by working with the Executive Committee to identify strategic initiatives and actions, by forging and strengthening the bonds with SE-equivalent sections of sister organizations to explore possible coordinated activities.
- d) Strengthen AOGS by working with the Executive Committee to explore and advance concepts of support for young researchers and students to attend and contribute to the annual meetings, explore partnership programs, and continue to engage regional stakeholders like NGOs, industry, local government organizations, and the primary/secondary educational sector through Working Group on Strong Earthquakes.