Mission Statement

I am honored to accept the nomination as President of the Interdisciplinary Geosciences (IG) Section of the AOGS. Throughout my career I have built scientific bridges linking atmospheric chemistry, climate, public health and artificial intelligence. For about 20 years, I have been working together with international collaborators for applying source-oriented chemical transport models and machine-learning techniques for pollution analysis and health-impact assessments.

Since joining AOGS in 2017 I have convened high-impact sessions such as "Atmospheric Chemistry in Highly Polluted Environments," and chaired or convened 20+ sessions at AOGS, AGU, EGU and AAAR. I serve on multiple journal editorial boards and founded the China-India Association of Atmospheric Scientists to promote cross-border collaboration.

This time, I seek to serve the IG Section in a leadership capacity. If elected, I will pursue four priorities:

- Deepen interdisciplinarity - launch cross-section initiatives that fuse AI, geosciences and social sciences to tackle coupled air–climate–health extremes, ensuring our section remains the Society's innovation hub.
- Strengthen global partnerships – coordinate joint AOGS-AGU-EGU sessions, which are currently under discussion with both societies, and organize activities with national societies in countries like China and Japan.
- Empower early-career & Global-South scientists – establish an IG Bridge Fellowship pairing senior mentors with young scholars and offering micro-grants for meeting participation.
- Extend impact from talks to publications - coordinate special issues linked to high-submission sessions and collaborate with Geoscience Letters to fast-track outstanding IG papers, turning conference dialogue into enduring knowledge.

My experience leading multi-institution projects, editing leading journals and commitment to inclusive science equips me to realize these goals. The IG Section will become a flagship forum where interdisciplinary ideas translate into tangible solutions for the Asia-Oceania region and the wider world.

Hongliang Zhang, Professor
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