

Candidate's Mission Statement

for AOGS Ocean Science Section President

Dr. Xuebin Zhang, CSIRO, Hobart, Australia

I am a Principal Research Scientist in the Environment Division of the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia. I received my Ph.D. in Physical Oceanography from the University of Washington and completed postdoctoral training at the Scripps Institution of Oceanography, University of California San Diego. Since joining CSIRO in 2010 as a tenured scientist, my research has focused on sea-level rise, ocean and climate modelling, climate variability and change, and ocean–cryosphere interactions.

Over the past decade, I have been an active member of the AOGS community. Together with international co-chairs from Japan, Singapore, Korea, and China, I have convened sessions on sea level and ocean heat content at six AOGS Annual Conferences (2016, 2018, 2020, 2021, 2023, and upcoming in 2025).

The Ocean Science Section plays a vital role in AOGS, covering a wide spectrum of topics, ranging from large-scale ocean circulation to coastal dynamics, from in-situ observations to satellite remote sensing, from marine physics to biogeochemistry, all crucial to addressing the challenges of a changing climate. Asia and Oceania, with their complex oceanic systems and densely populated coastlines, are particularly vulnerable to ocean changes and variability, making regional collaboration essential.

If elected President of the Ocean Science Section, I will work with other committee members to strengthen collaboration across the region and beyond. I will support the development of high-quality sessions at AOGS conferences and foster opportunities for regional workshops and interdisciplinary exchange. With strong ties to international scientific communities in the US and Europe, and active involvement in several international working groups and advisory panels, I will also promote partnerships with other global organisations through joint conferences and emerging research initiatives.

A key focus of my role will be supporting early- and mid-career researchers (EMCRs). I will advocate for mentoring networks, EMCR-focused events, and inclusive mechanisms to gather feedback - particularly from those in developing countries - on how AOGS can better support their growth and engagement.

It would be a privilege to serve this vibrant research community. I am committed to advancing our shared mission and ensuring the Ocean Science Section continues to thrive as a platform for impactful science and productive collaboration.