



**Prof. Mengqian LU**

**Director of the Otto Poon Centre for Climate Resilience and Sustainability, the World Sustainable Development Institute  
Hong Kong University of Science and Technology**

Prof. Mengqian Lu is Director of the Otto Poon Centre for Climate Resilience and Sustainability, the World Sustainable Development Institute at HKUST, and the Digital Meteorological Services Innovation Lab at the HKUST Shanghai Centre. She is an Associate Professor at HKUST, jointly appointed in the Departments of Civil and Environmental Engineering, Ocean Science, and Finance.

Prof. Lu serves as Chair of the UNESCO Decade Science Program SEPRESS (2025–2032), endorsed by the World Meteorological Organization (WMO), Chair of the Hong Kong Chapter of the International Association for Hydro-Environment Engineering and Research (IAHR), and Founding Chair of the Climate, Weather and Water Forum (CWWF).

A trailblazer in integrating AI and data science into hydrometeorology, atmospheric science, climate prediction, and services, her research focuses on extreme weather, compound hazards, and sustainable natural resources (the Food–Energy–Water Nexus)—from understanding, to Physics+AI modeling, and to prediction and services. Her work enables climate resilience and risk-informed decision-making across sectors.

Prof. Lu is a three-time gold medallist at international innovation exhibitions and a recipient of the Tsinghua–Inspur Young Talent Award. Her contributions advance the United Nations Sustainable Development Goals (UN SDGs) and have been featured by NEWSWEEK, BBC, Bloomberg, and Croucher News for her global impact on climate adaptation, sustainability, and smart city development.

陸萌茜教授現任香港科技大學潘樂陶氣候變化與可持續發展中心、世界可持續發展研究所，以及港科大上海中心數字氣象創新實驗室主任。她同時擔任港科大土木與環境工程學系、海洋科學系與金融學系的副教授，具跨學科教研背景。

陸教授現為聯合國教科文組織（UNESCO）「可持續發展大科學十年」*SEPRESS*（2025–2032）主席，該計劃亦獲世界氣象組織（WMO）認可；同時擔任國際水利與環境工程學會（IAHR）香港分會主席，並創立「氣候、天氣與水論壇（CWWF）」並擔任首任主席。

作為將人工智能與數據科學應用於水文氣象、大氣科學、氣候預測與氣候服務領域的先驅，陸教授的研究聚焦於極端天氣、複合災害與自然資源可持續發展與利用（糧食–能源–水資源聯結），涵蓋從基礎理解、物理+AI 建模，到預測與應用服務的完整鏈條。她的研究成果為各行各業提供氣候韌性與風險導向的決策支持。陸教授曾三度榮獲國際創新展金獎，亦獲頒清華–浪潮青年人才獎。她的貢獻推動聯合國可持續發展目標（UN SDGs），並獲 NEWSWEEK、BBC、Bloomberg 和 Croucher News 報導其在氣候韌性、可持續發展於行業賦能方面的全球影響力。

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- Director of Otto Poon Center for Climate Resilience and Sustainability (CCRS), and World Sustainable Development Institute (WSDI) and Digital Meteorological Service Innovation Lab (DMS) at The Hong Kong University of Science and Technology (HKUST)
- Associate Professor at Department of Civil and Environmental Engineering, Department of Ocean Science, and Department of Finance, HKUST
- Chair and Founder of The Annual Climate, Weather and Water Forum
- Chair of UNESCO Decade Science “Seamless Prediction and Services for Sustainable Natural and Built Environment (SEPRESS)” Program
- Chairman of International Association for Hydro-Environment Engineering and Research (IAHR) Hong Kong Chapter

## 陸萌茜教授

- 香港科技大學（HKUST）潘樂陶氣候變化與可持續發展研究中心（CCRS）、世界可持續發展研究院（WSDI）、數字氣象服務創新實驗室（DMS）主任
- 香港科技大學土木與環境工程學系、海洋科學系及金融系副教授
- 氣候天氣與水資源國際研討會創辦人兼主席
- 聯合國教科文組織十年科學計劃「推動自然與人為環境可持續性的無縫預測與服務（SEPRESS）」主席
- 國際水利與環境工程學會（IAHR）香港分會主席