

4 December 2025 (Thu)

Room N001 | Opening

Time	Speaker	Content
9:00 - 9:05 a.m.	Sr Prof. Charles Man Sing WONG Associate Dean, Faculty of Construction and Environment The Hong Kong Polytechnic University	Welcome Remarks
9:05 - 9:10 a.m.	Mr. Alex Siu Ki CHU Deputy Director, Survey & Mapping Office, Lands Department The Government of HKSAR	Opening Remarks
9:10 - 9:40 a.m.	Prof. Xiao-li DING Chair Professor of Geomatics Director of the Research Institute for Land and Space The Hong Kong Polytechnic University	Applications of AI in Geomatics Education at PolyU

Coffee Break

10:00 - 10:30 a.m.	Prof. Jean-Philippe GASTELLU-ETCHEGORRY Professor Center for the Study of the Biosphere from Space (CESBIO) CNRS-CNES-IRD- INRAE-Université de Toulouse	A 3-D Radiative Transfer Model For Education
10:30 - 11:00 a.m.	Prof. Yan LIU Professor Department of Geography and Resource Management The Chinese University of Hong Kong	GeoAI in and for Geomatics education: An Australian Perspective
11:00 - 11:30 a.m.	Prof. Bin JIANG Professor The Hong Kong University of Science and Technology (Guangzhou)	From Geomatics to Urban Informatics: Experiential Learning for Human-Centered Design with AI

Lunch @ Ju Yin House, 4/F, Communal Building

Room N001 | PM | Parallel Sessions

No	Time	Author(s)	Title
	Session 1 Chair: Ding MA	Themes: ·AI Innovations in Geomatics Education ·Assessment and Evaluation of AI-Enhanced Learning Outcomes	
1	2:00 - 2:20 p.m.	Jiangping Chen, Si Chen, and Yongxiang Yao	Research on Industry-Education Integration in "Service Learning" Empowered by Course Agents
2	2:20 - 2:40 p.m.	Vyron Antoniou	AI innovations introduced in the military geomatics engineering education
3	2:40 - 3:00 p.m.	Jiangbo Xi, Mingtao Ding, Ming Cong, and Chaoying Zhao	Spatial-Temporal Intelligence Theory and Practice for Geomatics Education
4	3:00 - 3:20 p.m.	Eric Kei Chun TSE, Keynes T.W. Chan, and Joey K.H. Pong	A Generative AI Approach to Natural Language Spatial Queries
5	3:20 - 3:40 p.m.	Xia Haoming, Qin Yaochen and Fu Pinde	AI-Enabled Teaching of Digital Geospatial Technology Courses

Tea Break

	Session 3 Chair: Chaoying ZHAO	Themes: ·Future Trends in Geomatics and AI ·Pedagogical Approaches for AI in Geomatics	
1	4:00 - 4:20 p.m.	Ting CHEN	From Shaping to Igniting: A 16-Year Practice of 'Education of the Heart' in Geomatics and Beyond
2	4:20 - 4:40 p.m.	Yongjiu Feng	Exploration and Practice of Tongji's AI-Empowered Approach to Cultivating Students in Geomatics
3	4:40 - 5:00 p.m.	Ding Ma, Chengji Zhu, Xiaoming Li, Honglin Zhu, and Jiaqin Wu	Exploring Hybrid Teaching Practices in Spatial Data Science Courses
4	5:00 - 5:20 p.m.	Paulina PY Wong	From Data to Decisions: Pedagogies for AI and Geomatics with Open Geospatial Data

Closing & Award Presentation

4 December 2025 (Thu)

Room N002 | Parallel Sessions

No	Time	Author(s)	Title
	Session 2	Themes: · AI Innovations in Geomatics Education · Curriculum Development and Integration Session Chair: Si CHEN	
1	2:00 - 2:20 p.m.	Shangguo Liu	Integrating Ideological Education, Strengthening Curriculum, Enlivening Classroom, and Emphasizing Practice: Creating a New Paradigm for Modern Engineering Surveying Teaching
2	2:20 - 2:40 p.m.	Rui Tu	Reform and Practice of the Training Model for Innovative Talents in Spatiotemporal Information at Shandong University of Science and Technology
3	2:40 - 3:00 p.m.	Xiufeng He	Practice of Cultivating Innovative Surveying and Remote Sensing Talents to Meet the Needs of Smart Water Conservancy Development
4	3:00 - 3:20 p.m.	Liyang Xiong, Shuliang Zhang, Min Chen, and Guoan Tang	GIS major education in China: Status and challenges in the era of AI
5	3:20 - 3:40 p.m.	Rozita Saki, Ara Toomanian, Najmeh Neysani Samany, and Abbas Rajabifard	A GeoAI-Enabled Digital Twin Framework for Proactive Road Safety Management: Conceptual Design
Tea Break			
	Session 4	Themes: · Future Trends in Geomatics and AI · Other topics related to education in Geomatics Session Chair: Jiangping CHEN	
1	4:00 - 4:20 p.m.	Calvin TSE and Jimmy WONG Lok-him	Harnessing the Power of Artificial Intelligence Technology in Geomatics Surveying for Enhanced Waterworks Asset Management in Hong Kong
2	4:20 - 4:40 p.m.	Xiyu Wang and Pingyuan Zhang	Safeguarding Children's Authentic Cartographic Expression: The Impact of the Children's World Map Competition on Geomatics Education in the AI Era
3	4:40 - 5:00 p.m.	Wenbo Lv and Wufan Zhao	Causal Discovery in Large-Scale Spatiotemporal Data: Towards an Integration of Statistical, Econometric, and AI Approaches with Geospatial Infrastructures
4	5:00 - 5:20 p.m.	Pu HAO	Mapping the Economic Topography of Migrant Enclaves in Urban China