

# International Conference on Geomatics Education – Challenges and Prospect

**Organizer** : Department of Land Surveying and Geo-Informatics,  
The Hong Kong Polytechnic University

**Date** : 9-11 December, 2022

**Venue** : Hong Kong

## Aims:

The mission of the conference is to bring together leading experts and professionals in geomatics community across the world

- i. to discuss how to support, promote and motivate capacity building at different levels of professionals and educators;
- ii. to elaborate on development of cost effective teaching and talent nurturing methods; and
- iii. to share best practices for curricula development and effective transfer of knowledge that meets incoming regional needs and global challenges in the field of geomatics.

## Topics:

- Curricula development at basic, professional and decision-making levels for Geodesy, Surveying, and Geospatial Information Science;
- Cost-effective digital class teaching / training approaches and web-based sharing of resources for mass awareness programs;
- Regional / International cooperation in capacity building, geodetic science and geospatial intelligence technology;
- Engaging tutors/ trainers and preparing educational material and support, including open-source software education;
- Young people on basic and advances in Geodesy, Photogrammetry, RS & Geoinformation Sciences through students' consortium;
- Innovative geospatial technologies for infrastructure planning and assets mapping;
- Organizing regional and international summer schools, seminars, workshops and tutorials, and cooperation with government and industry.

## Tracks and Sessions:

### Track 1 – Curricula Development

- Framework for multi-level education & training – curriculum development
- Coordination and adaptation with use and investigation of emerging techniques and methodology, such as AI, CNN, SfM, etc.
- Development of International collaborative education Programs
- Development of regional collaboration towards Urban Science, Environmental and Geospatial Technology
- Development of web-based sharing resource and portal for education and research – MOOC subjects

### Track 2 – Promotion of Profession

- Promotion of the profession to young people
- Distance learning – post-COVID-19 education and training services
- Online practicum and lab to meet the accreditation demands of the profession(s)
- Innovative technologies in training civil engineers and architects, city planners, urban environmental (geo-)scientist, computer scientists and geo AI engineers
- Promotion of open-source toolkits and materials on Geomatics Technology

Ahmed El-Mowafy	Curtin University
Bofeng Li	Tongji University
Christian Heipke	University of Hannover
Christian Sailer	ETH Zurich
Christopher Kotsakis	Aristotle University of Thessaloniki
Chung-Yen Kuo	National Cheng Kung University
Derek Lichti	University of Calgary
Dimo Todorovski	University of Twente
Emmanuel Stefanakis	University of Calgary
Heinz Ruther	University of Cape Town
Jin Jun Shan	York University
Johnathan Li	University of Waterloo
Lena Halounova	Czech Technical University
Liz Jones	University College London
Qihao Weng	The Hong Kong Polytechnic University
Senthil Kumar	Indian Institute of Remote Sensing (ISRO) CSSTEAP (UN affiliated)
Tao Wang	Capital Normal University
Thomas Kolbe	Technical University of Munich
Wu Chen	The Hong Kong Polytechnic University
Yibin Yao	Wuhan University
Zheng Nanshan	China University of Mining and Technology
Zhenhong Li	Chang'an University

### Important dates:

Abstract submission	: 15 Aug 2022
Full paper submission	: 1 Aug 2022
Final paper submission	: 15 Oct 2022
Deadline for registration	: 15 Oct 2022
Conference dates	: 9 - 11 Dec 2022

### Registration:

Registration fee : HKD **2,000**

Event website :



<https://www.polyu.edu.hk/lsgj/icge22>

### Enquiry:

Email : [info.icge@polyu.edu.hk](mailto:info.icge@polyu.edu.hk)

Tel : 852- 3400 8158

Organizer : Department of Land Surveying and Geo-Informatics,  
The Hong Kong Polytechnic University

Website : <https://www.polyu.edu.hk/lsgj/>

Facebook : <https://www.facebook.com/LSGI.PolyU>

Wechat :



# International Conference on Geomatics Education – Challenges and Prospect

9 - 11 Dec 2022  
Hong Kong



Sponsors:



Co-Sponsors:



International Cartographic Association  
Association Cartographique Internationale