Organizing Committee

Program Outline

08:30 am – 09:00 am   Registration
(Venue: 11/F, Social Sciences Chamber)

09:00 am – 09:30 am   Opening ceremony
(Venue: 11/F, Social Sciences Chamber)

09:30 am – 12:10 pm   Keynote Session
(Chair: Professor Shunlin Liang, The University of Hong Kong)
(Venue: 11/F, Social Sciences Chamber)

09:30 am – 10:10 am	Professor Karen Seto (online), Yale University, USA **The IPCC special report on cities and climate change: Strategic directions for urban remote sensing**
10:10 am – 10:50 am	Professor Qihao Weng, The Hong Kong Polytechnic University, HKSAR, China **Three decades of urban remote sensing in perspective**
10:50 am – 11:30 am	Professor James Voogt (online), Western University, Canada **Representative urban surface temperatures**
11:30 am – 12:10 pm	Professor Xia Li (online), East China Normal University, China **The impacts of spatial resolutions of global land use products on global change analyses and modeling**

12:10 pm – 02:00 pm   Lunch break

02:00 pm – 03:30 pm   Remote Sensing Youth Forum
(Chair: Mr. Keran Wang, United Nations ESCAP)
(Venue: 10/F, Cartographica Laboratory and Library)

2:00 pm – 2:15 pm	Keran Wang, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) **Listen to and work with youth in implementing the regional Space Plan of Action under "Space+ for our Earth and Future"**
2:15 pm – 2:25 pm	Yang Hu, Institute of Industrial Science, The University of Tokyo, Japan **Flood impact assessment for urban area with high-quality nighttime light remote sensing data**
2:25 pm – 2:35 pm	Jing Ling, The University of Hong Kong, HKSAR, China **Monitoring urban impervious surfaces using multi-source remote sensing in cloud-prone areas**
2:35 pm – 2:45 pm	Yi Zheng, The Chinese University of Hong Kong, HKSAR, China **Building risk monitoring and prediction using integrated multi-temporal InSAR and numerical modeling techniques**
2:45 pm – 2:55 pm	Zherong Wu, The Chinese University of Hong Kong, HKSAR, China **Deep learning of InSAR data for identifying and interpreting land subsidence in deltaic metropolitan areas**
2:55 pm – 3:05 pm	Shengjie Liu, University of Southern California, USA **Disproportionate distribution of artificial light at night in Hong Kong: evidence from space with high-resolution nighttime remote sensing**
3:05 pm – 3:15 pm	Jiafei Xu, The Hong Kong Polytechnic University, HKSAR, China **Enhanced all-weather precipitable water vapor retrieval from MODIS near infrared bands based on machine learning**

02:00 pm – 03:00 pm   IEEE GRSS Hong Kong Chapter EXCO Meeting
(Chair: Professor Qihao Weng, The Hong Kong Polytechnic University)
(Venue: 11/F, Social Sciences Chamber)

03:30 pm – 04:50 pm   Keynote Session
(Chair: Professor Jun Li, China University of Geoscience)
(Venue: 11/F, Social Sciences Chamber)

03:30 pm – 04:10 pm	Professor Hannes Taubenböck (online), German Aerospace Center, Germany **Urban Science with space data: Dynamics, dimensions and forms of global urbanization**
04:10 pm – 04:50 pm	Professor Paolo Gamba (online), University of Pavia, Italy **Fusing multiple sensors from space to recognize structural changes in the city**

Program Outline

04:50 pm – 06:30 pm   Technical Session 1
(Chair: Dr. Bin Chen, The University of Hong Kong)
(Venue: 11/F, Social Sciences Chamber)

4:50 pm – 5:05 pm	Dr. Weifeng Li, The University of Hong Kong, HKSAR, China **Who are More Exposed to PM2.5 Pollution: Integrating Mobile Phone Location Data and Satellite-Based Deep Learning Approach**
5:05 pm – 5:20 pm	Dr. Meng Gao, Hong Kong Baptist University, HKSAR, China **Stereoscopic Monitoring: A Promising Strategy to Advance Diagnostic and Prediction of Air Pollution**
5:20 pm – 5:35 pm	Dr. Fan Zhang, Hong Kong university of Science and Technology, HKSAR, China **Perceiving Cities with AI and Street-Level Imagery**
5:35 pm – 5:50 pm	Dr. Lu Yi, City University of Hong Kong, HKSAR, China **Establishing a citywide street tree inventory with street view images and computer vision techniques**
5:50 pm – 6:05 pm	Dr. Xiaojiang Li, Temple University, USA **The discrepancies of the urban heat exposure metrics in urban heat mapping**
6:05 pm – 6:20 pm	Dr. Aqil Tariq, Mississippi State University, USA **Spatio-temporal variation of decadal seasonal heat island mapping, using MODIS and ground stations data**

06:30 pm – 08:30 pm   Welcome Dinner   (Peking Garden, Shop B1, Basement 1, Alexandra House, Central, Hong Kong)

Day 2 : 04 DEC 2022

09:30 am – 10:50 am   Keynote Session
(Chair: Professor Bo Huang, The Chinese University of Hong Kong)
(Venue: 11/F, Social Sciences Chamber)

09:30 am – 10:10 am	Professor Shunlin Liang, The University of Hong Kong, HKSAR, China **The High-resolution Global LAnd Surface Satellite (Hi-GLASS) products for urban studies**
10:10 am – 10:50 am	Professor Yuyu Zhou, Iowa State University, USA **Urban environmental change and its implication for human health**

10:50 am – 12:30 pm   Technical Session 2
(Chair: Dr. Wei Yao, The Hong Kong Polytechnic University)
(Venue: 11/F, Social Sciences Chamber)

10:50 am– 11:05 am	Professor Chun Liu, Tongji University, China **Intelligent processing and scene cognitive applications of LiDAR-Vision coupled point cloud**
11:05 am – 11:20 am	Dr. Xiaolin Zhu, The Hong Kong Polytechnic University, HKSAR, China **Remote sensing image fusion for urban environment monitoring**
11:20 am – 11:35 am	Professor Ruisheng Wang, University of Calgary, Canada **Building3D: A Urban-Scale Dataset and Benchmarks for Learning Roof Structure from Point Clouds**
11:35 am – 11:50 am	Dr. Bin Chen, The University of Hong Kong, HKSAR, China **Urban greenspace exposure and inequality assessment through remote sensing big data**
11:50 am – 12:05 pm	Dr. Cheolhee Yoo, The Hong Kong Polytechnic University, HKSAR, China **Industrial and Non-Industrial Urban Land Expansion: An examination of the complex relationship between economic growth and carbon emissions**
12:05 pm – 12:20 pm	Dr. Mohit Kumar, Integrated Research and Action for Development, India **Application of Remote Sensing in developing urban heat action plans**

12:30 pm – 02:00 pm   Lunch break

02:00 pm – 06:00 pm   Field Trip   (Sai Kung)

Program Outline

Day 1 : 03 DEC 2022

08:30 am – 09:00 am

Registration

(Venue: 11/F, Social Sciences Chamber)

09:00 am – 09:30 am

Opening ceremony

(Venue: 11/F, Social Sciences Chamber)

06:30 pm – 08:30 pm

Welcome Dinner

(Peking Garden, Shop B1, Basement 1, Alexandra House, Central, Hong Kong)

Day 2 : 04 DEC 2022

02:00 pm – 06:00 pm

Field Trip

(Sai Kung)

Program Outline

Keynote Session
(Venue: 11/F, Social Sciences Chamber)

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