

International Workshop

International Workshop on Theories and Frontiers of GNSS Positioning



24 – 26 October 2025 (FRI to SUN)



Chiang Chen Studio Theatre & N001, PolyU



English



For all PolyU staff and students



Opening Ceremony:

24 Oct 2025 (FRI) 9:00AM, Chiang Chen Studio Theatre



Workshop Chair:
Prof. Wu CHEN

Head & Chair Professor
Department of Land Surveying & Geo-Informatics
The Hong Kong Polytechnic University

24 Oct 2025 (FRI) 9:30AM – 5:00PM
Location: Chiang Chen Studio Theatre



Prof. Peter TEUNISSEN

Professor, Delft University of Technology
Distinguished Visiting Chair Professor, LSGI, PolyU

Topic: Mixed-integer Inference for Carrier-phase GNSS: Theory and Application

Peter Teunissen is Professor of Geodesy at TU Delft, Vice-President of the International Association of Geodesy (IAG), and an elected Member of the Royal Netherlands Academy of Arts and Sciences. He is the founding Editor-in-Chief of the Journal of Geodesy and a world-leading authority on GNSS theory, known for pioneering the LAMBDA method, multi-GNSS PPP-RTK, and early characterization of BeiDou, IRNSS, and GLONASS-CDMA systems. His fundamental contributions to mixed-integer estimation, quality control, and satellite navigation have shaped modern geodetic theory. He has received numerous international honors, including the ION Kepler Award and the EGU Vening-Meinesz Medal.

25 Oct 2025 (SAT) 9:00AM – 12:00NOON
Location: N001



Prof. Shuanggen JIN

Professor, Henan Polytechnic University &
Chinese Academy of Sciences
Vice President of Henan Polytechnic
University

**Topic: GNSS Remote Sensing:
Recent Advances and Prospects**

Shuanggen Jin is Vice President of Henan Polytechnic University and a Fellow of the Academia Europaea, the African Academy of Sciences, the Turkish Academy of Sciences, the American National Academy of Artificial Intelligence, the Russian Academy of Natural Sciences, and several other international academies. He has led over 30 international and national projects, published more than 400 SCI papers and 15 books, and is recognized as an Elsevier Highly Cited Researcher and as one of the world's top 2% scientists. His research focuses on intelligent navigation, geodesy, GNSS remote sensing, environmental monitoring, and planetary exploration, with pioneering contributions to GNSS-R theory and applications.

25 Oct 2025 (SAT) 2:00PM – 5:00PM
Location: N001



Prof. Ruizhi CHEN

Professor, The Chinese University of Hong
Kong, Shenzhen
Member of the Finnish Academy of Science
and Letters

Topic: Positioning for AI

Ruizhi Chen is Professor at CUHK-Shenzhen, a Member of the Finnish Academy of Science and Letters, and recognized as one of the world's top 2% scientists. He previously served as Director of the State Key Laboratory of LIESMARS at Wuhan University, Chair Professor at Texas A&M University–Corpus Christi, and Head of the Navigation and Positioning Department at the Finnish Geodetic Institute. His research focuses on high-precision indoor positioning and LEO-based navigation augmentation, with pioneering work spanning theory, technology, and industrialization of audio-based positioning, and he has published over 200 SCI papers and 2 books.

26 Oct 2025 (SUN) 9:00AM – 12:00NOON
Location: N001



Prof. Jianghui GENG

Professor, Chinese Academy of Sciences &
Wuhan University
Director of State Key Laboratory of Precision
Geodesy

**Topic: High-precision GNSS Data
Processing**

Jianghui Geng is Professor at the Chinese Academy of Sciences and Wuhan University, and Director of the State Key Laboratory of Precision Geodesy. He has made pioneering contributions to high-precision GNSS positioning, including real-time PPP-AR, multi-GNSS data processing, and precise deformation monitoring. He has published over 90 SCI papers, authored an English monograph with Elsevier, and is recognized as an Elsevier Highly Cited Chinese Researcher and one of the world's top 2% scientists. He has received major honors such as the ION Best Paper Award, the RIN New Navigator Award, the State Scientific and Technological Progress Award, and the Ministry of Education Science Research Award.

26 Oct 2025 (SUN) 2:00PM – 5:00PM
Location: N001



Prof. Kan WANG

Professor, Chinese Academy of Sciences
Director of Key Laboratory of Time and
Frequency Standards and Applications

**Topic: LEO-augmented PNT:
Progress and Challenges**

Kan Wang is Professor at the National Time Service Center, Chinese Academy of Sciences, and Director of the Key Laboratory of Time and Frequency Standards and Applications. She has led over 20 international and national projects on high-precision satellite navigation. Her research focuses on LEO orbit determination and timing, LEO-augmented GNSS positioning, PNT integrity monitoring, and time reference systems, and she is a recipient of the National Science Fund for Distinguished Overseas Young Scholars.

Registration is FREE of charge

All are welcome!

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