



International Symposium on Atmospheric Sounding and Data Assimilation (ISASDA 2023)

— The Next Move and Innovations

December 6-9, 2023, Xuzhou, Jiangsu, China

<https://www.cumt-isasda2023.cn/>

Welcome to the International Symposium on Atmospheric Sounding and Data Assimilation, a premier event dedicated to the latest development and newest advancement of cutting-edge research, innovation and knowledge translation in GNSS theory, method and applications, in particular in the areas of next generation GNSS remote sensing, data assimilation into Numerical Weather Prediction (NWP) models, NWP data applications to GNSS, data mining, and many more. GNSS, albeit initially designed for global positioning, navigation and timing, has seen an unprecedented expansion and penetration into many other regimes, such as automation / autonomous vehicles, internet of things, as well as atmospheric sounding and environmental situation awareness etc. The symposium aims to bring together world scientists, academics and entrepreneurs to share and showcase their latest achievements in the broad area of GNSS. It is hoped that, the symposium could act as a catalyst in advancing GNSS and the geospatial industry in general and be a great opportunity to meet international colleagues to foster collaboration, knowledge exchange and discussion of hotspots and future trends etc.

The 4-day symposium will be featured with plenary/keynote sessions, panel discussions, oral presentations, poster presentation and technical exhibitions. We are sure that the conference will be a “not-to-be missed” event for those who work in the areas of GNSS, geospatial, meteorology and atmosphere. We, the China University of Mining and Technology (CUMT) and the Hong Kong Polytechnic University, sincerely invite you

to join the event - a great opportunity to explore the latest development and innovations. The host CUMT is strategically located at the City of Xuzhou, a key transport hub in China. Xuzhou has a long legendary history of more than 6,000 years. Approximately 2,000 years ago, Xuzhou was China's political center in the Han Dynasty. Xuzhou is proud to be ranked as one of the most livable cities in China.

The CUMT is a leading university in China specialized in mining science and technology. The university has approximately 30,000 full time students, including international students from a diversity of nationalities and culture backgrounds. With 22 schools in the fields of science, technology and engineering, design, arts and humanities, business, and management, the CUMT boasts to have the most beautiful campus in China.

The ISASDA 2023 is jointly held by the China University of Mining and Technology (CUMT) and the Hong Kong Polytechnic University. The main topics and sessions are as followings:

Sessions & Topics:

Session 1: GNSS Atmospheric Sounding

Session 2: Tomography for GNSS 4-Dimensional Water Vapor

Session 3: Data Assimilation into NWP Models

Session 4: Extreme Weather and Climate Change

Session 5: PNT – Positioning, Navigation and Timing

Session 6: Radio Occultation – Theory, Algorithm and Applications

Session 7: GNSS Ionosphere and Space Weather

Session 8: GNSS Reflectometry

Session 9: Multi-Source Atmospheric Remote Sensing

Organizing Committee

General Chair:

- Kefei Zhang, China University of Mining and Technology, China

Co-Chair:

- Zhizhao Liu, Hong Kong Polytechnic University, Hong Kong

Scientific Organizing Committee (Alphabetical Order):

Bo Huang, University of Hong Kong, Hong Kong

Bofeng Li, Tongji University, China

Cheinway Hwang, National Yang Ming Chiao Tung University, Taiwan

C.K. Shum, Ohio State University, United States

Chuang Shi, Beihang University, China

Chunxiang Shi, China Meteorological Administration, China

Donghai Wang, Sun Yat-Sen University, China

Harald Schuh, Technische Universität Berlin and German Research Center for Geosciences GFZ, Germany

Hui Su, Hong Kong University of Science and Technology, Hong Kong

Jaroslav Bosy, Wroclaw University of Environmental and Life Sciences, Poland

Jens Wickert, Technische Universität Berlin and German Research Center for Geosciences GFZ, Germany

Jianhua Sun, Institute of Atmospheric Physics, Chinese Academy of Sciences, China

Jingnan Liu, Wuhan University, China

Jonathan Jones, Met Office, United Kingdom

Marcelo Santos, University of New Brunswick, Canada

Min Min, Sun Yat-Sen University, China

Nanshan Zheng, China University of Mining and Technology, China

Roger Saunders, Met Office, United Kingdom

Witold Rohm, Wroclaw University of Environmental and Life Sciences, Poland

Wu Chen, Hong Kong Polytechnic University, Hong Kong

Xiao Cheng, Sun Yat-Sen University, China

Xiaohong Zhang, Wuhan University, China

Xiaoming Shi, Hong Kong University of Science and Technology, Hong Kong

Xiushu Qie, Institute of Atmospheric Physics, Chinese Academy of Sciences, China

Yamin Dang, Chinese Academy of Surveying and Mapping, China

Yibin Yao, Wuhan University, China

Yuanjian Yang, Nanjing University of Information Science and Technology, China

Yuanxi Yang, State Key Laboratory of Geo-Information Engineering, China

Yunbin Yuan, Innovation Academy for Precision Measurement Science and Technology,
Chinese Academy of Sciences, China

Yunchang Cao, China Meteorological Administration, China

Zhengfu Bian, China University of Mining and Technology, China

Zishen Li, Aerospace Information Research Institute, Chinese Academy of Sciences,
China

Local Organization Committee:

Guoliang Chen (Chair), China University of Mining and Technology, China

Huaizhan Li, China University of Mining and Technology, China

Yu Chen, China University of Mining and Technology, China

Dongsheng Zhao, China University of Mining and Technology, China

Hongtao Shi, China University of Mining and Technology, China

Longjiang Li, China University of Mining and Technology, China

Peng Sun, China University of Mining and Technology, China

Registration and Payment:

Early registration on or before **Oct 31, 2023 (Beijing Time)** : US\$ 200 or RMB¥ 1500;
Students: US\$ 150 or RMB¥ 1000.

Registration after **Oct 31, 2023**: US\$ 250 or RMB¥ 1800; Students: US\$ 160 or
RMB¥ 1200.

Important Dates:

Abstract submission deadline: 15 Oct 2023

Acceptance notification: 31 Oct 2023

Early bird registration deadline: 15 Nov 2023

Normal registration: After 15 Nov 2023

Conference time: 6-9 Dec 2023