International Symposium on Satellite Navigation (ISSN 2023)
- Advances, Opportunities and Challenges

November 20-22, 2023, Jiaozuo, Henan
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Nowadays, multi-Global Navigation Satellite Systems (GNSS) have been developed and widely used, including US's GPS, Russia's GLONASS, China's BeiDou and EU's Galileo as well as regional systems, such as Japan's QZSS and India's IRNSS. The International Symposium on Satellite Navigation: Advances, Opportunities and Challenges (ISSN2023) will be held on November 20-22, 2023, Jiaozuo, Henan, China. The ISSN2023 aims to provide a platform for GNSS scientists and engineers to communicate and exchange in theory, methods, technologies, applications and future challenges. The ISSN2023 is open to all scientists who may have the latest results and developments in BDS/GNSS+, including constellations, signals, orbit, receiver, positioning/navigation/timing theory, algorithms, models and applications in engineering and Earth science as well as combining multi-sensors. Manuscripts on new advances in Multi-GNSS and other regional systems, compatibility, interoperability and new applications are also welcomed.

The ISSN 2023 is jointly sponsored by the Henan Polytechnic University and Editorial Office of Satellite Navigation. The main topics and sessions are as followings:

Sessions & Topics：

Session 1: Navigation System and Signals
 (Feixue Wang, Zheng Yao, Haitao Wu, Jun Shen)

Session 2: Space and Ground Augmentation
(Chuang Shi, Xianglin Liu, Sherman Lo)

Session 3: GNSS Receiver and Anti-spoofing
 (Mingquan Lu, Sang Jeong Lee)

Session 4: GNSS Orbiting Determination & Modelling
 (Qile Zhao, Maorong Ge)

Session 5: Integrated PNT and Location-based Service

(Yuanxin Wu, Naser El-Sheimy, Laura Ruotsalainen)

Session 6: GNSS Positioning Algorithms and Models

 (Mattia Crespi, Pawel Wielgosz, Jianghui Geng, Salvatore Gaglione)

Session 7: Integrated Navigation and Smart Applications

(Ruizhi Chen, Xiaoji Niu, Yuwei Chen, Washington Yotto Ochieng)

Session 8: GNSS PPP and Applications

(Xiaohong Zhang, Bofeng Li, Peter J.G. Teunissen, Xingxing Li)

Session 9: Time and Coordinate Reference System

(Qile Zhao, Tianhe Xu)

Session 10: GNSS Atmospheric Sensing & Meteorology

(Shuanggen Jin, Zhizhao Liu)

Session 11: GNSS Ionosphere and Space Weather

 (Yunbin Yuan, Yury Yasyukevich, M. Mainul Hoque)

Session 12: GNSS/InSAR Surveying and Geodesy

(Jinling Wang, Ming Yang, Guenther Retsche)

Organizing Committee

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

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Full Paper (EI/Scopus Journal):

Satellite Navigation, https://satellite-navigation.springeropen.com/

Registration and Payment:

Regular: 300$USD or 2000 RMB; Students: 150$USD or 1000 RMB.

Important Dates:

Abstract submission deadline: 31 July 2023; Acceptance notification: 30 August 2023;
Full paper submission: 31 Dec. 2023.