

International Technical Meeting of the Satellite Division of the Institute of Navigation (ION GNSS+ 2023)

Denver, Colorado
11-15 September 2023

Volume 1 of 6

ISBN: 978-1-7138-8482-8

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Proceedings of ION GNSS+ 2023

September 11–15, 2023
Denver, Colorado, USA

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<u>Mitigating the Impact of Inaccurate State Variance-Covariance Matrix in Kalman Filtering for Real-Time PPP with Low-Cost GNSS Devices</u>	1801 - 1822
Yan Zhang, Yang Jiang, Yang Gao Peer Reviewed	
<u>POMELO: A 4G Prototype Testbed to Demonstrate Scalable and Bandwidth Efficient Broadcast of GNSS Corrections</u>	1823 - 1841
Lisa Guerriero, Elisa Benedetti, Maria L. Ivanovici, Florin C. Grec	

Analysis of the Occurrence of Critical Satellites in GAST-D+ Processing Michael Nietlispach, Michael Felux	1842 - 1854
Assessing the Performance of Dual-Frequency Multi-Constellation GBAS Architectures during Periods of Ionospheric Scintillation in Brazil Crislaine Menezes da Silva, Weverton da Costa Silva, Felipe Tintino Linhares de Souza, João Francisco Galera Monico, Daniele Barroca Marra Alves, Italo Tsuchiya, Glauca Balvedi, Tim Murphy, Susumu Saito, Joel Wichgers	1855 - 1878
Availability Assessment of ARAIM FDE with Time-Related Errors Jingtian Du, Hongxia Wang, Kun Fang, Yanbo Zhu Peer Reviewed	1879 - 1889
Research on the Impact of DME on the Integrity of BDS B2a Signal Yuan Liu, Kun Fang, Zhiqiang Dan, Yanbo Zhu, Zhipeng Wang Peer Reviewed	1890 - 1904

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Asymmetric Positioning for NLOS Mitigation Qiming Zhong Student Paper Award Peer Reviewed	1905 - 1927
Attitude Determination in Urban Canyons: A Synergy Between GNSS and 5G Observations Pinjun Zheng, Xing Liu, Tarig Ballal, Tareq Y. Al-Naffouri Peer Reviewed	1928 - 1941
An Integrated RTK/INS/Solid-State LiDAR Method for Large-Scale Vehicle Navigation in High-Mobility Scenarios Jiahui Liu, Cheng Chi, Yingchao Xiao, Xin Zhang and Xingqun Zhan	1942 - 1952
Neural City Maps: A Case for 3D Urban Environment Representations Based on Radiance Fields Mira Partha, Shubh Gupta, Grace Gao Best Presentation Peer Reviewed	1953 - 1973
GNSS/INS Positioning in Dense Urban Environment with Adaptive Choice of Process Noise Covariance Based on Satellite Geometry Yoji Takayama, Takateru Urakubo, Hisashi Tamaki Peer Reviewed	1974 - 1983
Indoor Mapping Structure Based on Cloud Platform for Seamless and Effective Indoor Localization Taehun Kim, Beomju Shin, Chung G. Kang, Donghyun Shin, Changsoo Yu, Hankyeol Kyung, Taikjin Lee	1984 - 1993
RSS Signal Modeling-Based Rapid and Accurate Fingerprinting Database Construction of Indoor Localization Technology Jung Ho Lee, Taehun Kim, Yongsu Cho, Ju-il Jeon, Kyeong-soo Han, Taikjin Lee	1994 - 1998
Neural Network-Based Multipath Mitigation Method for Precise Indoor Positioning Min-Ji Kim, Ki-Hyun Kim, Changdon Kee, O-Jong Kim	1999 - 2012
Positioning in the GNSS Signal Disconnection Area Based on Multiple Pseudolites Daehyun Kim, Sihwa Song, Jinsang Hwang	2013 - 2027

D5: Navigation Using Environmental Features

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Performance Evaluation of Image-Aided Navigation with Deep-Learning Features Luca Morelli, Fabio Menna, Alfonso Vitti, Fabio Remondino, Charles Toth	2048 - 2056
Tightly Integrated Smartphone GNSS and Visual odometry for Enhanced Urban Pedestrian Positioning Yang Jiang, Yan Zhang, Zhitao Lyu, Shuai Guo, Yang Gao Peer Reviewed	2057 - 2072
Neural City Maps for GNSS NLOS Prediction Daniel Neamati, Shubh Gupta, Mira Partha, Grace Gao Best Presentation Peer Reviewed	2073 - 2087
Trusted Inertial Terrain-Aided Navigation (TITAN) Tucker Haydon, Todd E. Humphreys	2088 - 2108
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