Call for Papers – Open Invited Session

Advances in Intelligent Navigation Technology

Chair: Prof. Sangkyung Sung (Konkuk University)
sksung@konkuk.ac.kr

Recent advances in the navigation technology and system include developing various design framework for navigation sensor integration, introducing new aided-sensors and sensor fusion techniques as well as adopting new signals-of-opportunity. Moreover, a kind of hybrid data driven/model based Kalman filter is introduced, for instance, KalmanNet. Reflecting these research trends, this session attempts to catch the recent research trend of navigation system and technology. The possible topics include filtering theory, heterogeneous sensor fusion and analysis, integrated navigation system design , enhanced navigation via signals of opportunity, new navigation system and sensor concept, onboard implementation and performance demonstration, information processing algorithm, learning based filtering problem, implementation and applications in unmanned autonomous systems. By attending this session, the authors and audience will catch the recent advances in the related fields.

We welcome contributions on this research topic. Please visit our website for details.

https://2023.iccas.org