

Application of Machine Learning Techniques to Improve GNSS Performance

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Submission deadline: 1 Aug 2026

2025



Topics of interests include, but are not limited to:

- **Integration with other sensors**
- **Error prediction**
- **Spoofing and jamming detection/mitigation**
- **Precise point positioning (PPP) and real-time kinematic (RTK)**
- **Data classification and analysis**
- **Anomaly detection and fault diagnosis**

Global Navigation Satellite Systems (GNSS) are fundamental to a myriad of modern applications, encompassing precise positioning, robust navigation, and accurate timing. The application of contemporary Machine Learning (ML) techniques holds significant promise for enhancing the accuracy, reliability, and robustness of GNSS operations. Recognizing this critical area of advancement, the Iranian Journal of Electrical and Electronic Engineering (IJEEE) has announced a special issue dedicated to the application of Machine Learning in GNSS. This initiative aims to foster new avenues for integrating advanced AI-driven solutions into various GNSS applications, thereby pushing the boundaries of current capabilities.