

InsideGNSS

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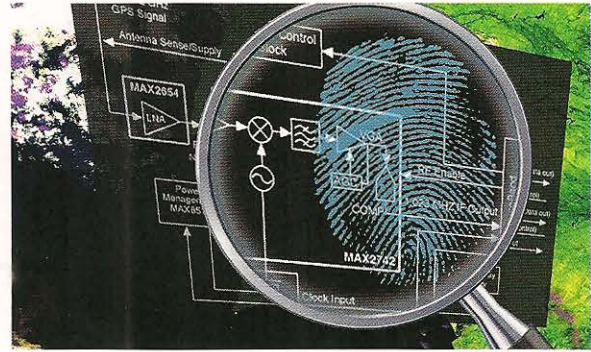
ON THE COVER

54 Feature Selection for GNSS Receiver Fingerprinting

Using clock-derived metrics to build a “white list” for receiver identification.

Daniele Borio, Ciro Giola, Eduardo Canopons, and Gianmarco Baldini

Fingerprinting is the process of gathering information about an electronic device to generate specific signatures to identify the device itself. This working paper investigates potential strategies for fingerprinting a GNSS receiver.



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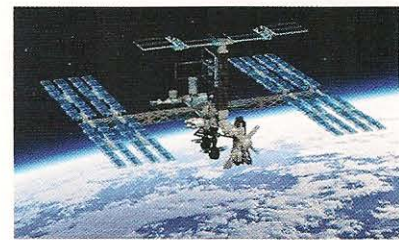
TECHNICAL ARTICLES

40 Future Space Service of NavIC (IRNSS) Constellation

Space Service Volume for the Indian Regional Navigation Satellite System (IRNSS) constellation now known as NavIC

Parimal Majithiya, Kriti Khatri, S. C. Bera, S. Sarkar, and K. S. Parikh

Today many satellite-based navigation systems are providing terrestrial services. In the near future these systems will also contribute for space service. Here we take a look at the contribution of the NavIC constellation in future space services.

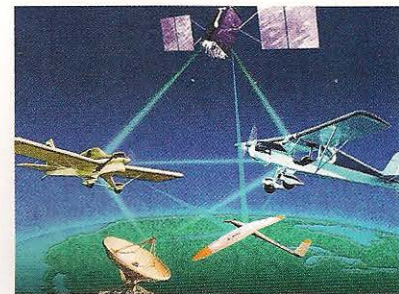


46 Enabling Collision Avoidance with Raw Position Measurements and Updated ADS-B Software

The advantages of using raw measurements for ADS-B and systems similar to ADS-B produce safer operations.

James L. Farrell

The use of the raw data, once integrated into standardized flight protocols, could dramatically help prevent mid-air accidents even if one or both of the aircraft is unmanned.



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