

The International Navigation Conference - INC2018

Call for Papers

The International Navigation Conference, brought to you by the Royal Institute of Navigation, is the premier forum for the presentation of research and advances in navigation. INC2018, the 4th in this annual series, brings together industry, academia, and governments from around the world. The theme for INC2018 is *Navigation Challenges and Societal Benefits*.

Submitting your Paper or Presentation

The organisers are accepting two types of submission:

1. Peer-reviewed papers.
2. Non-peer reviewed presentations.

Accepted papers and presentations will be included in the conference programme.

Please see page two for further information on the criteria for peer-review papers.

[Submit your paper here.](#)

The RIN is inviting abstract submissions for papers and presentations under the following conference topics:

Developments in Resilient PNT

Examples: anti-jam, anti-spoof, risk assessment and mitigation, emerging threats, interference detection, alternative PNT (such as eLoran and LEO satellites).

Innovations

Examples: Multi-Constellation, Multi-Frequency GNSS, Smartphone GNSS, exploiting raw data, inertial technology, multi-sensor fusion, WiFi, BLE and 5G positioning.

PNT for Connected Autonomy

Examples: Autonomy in unmanned vehicles, cooperative navigation in complex systems, cyber-security in navigation, testing challenges for driverless vehicles, advanced integrity for autonomous operations.

Human Factors and Cognition in Navigation

Examples: Human factors and autonomous cars, landmark-based guidance, verbal interferences, navigation in cities, smartphone apps, and urban design.

Mapping and Imaging

Examples: Mobile mapping technology, simultaneous localisation and mapping (SLAM), augmented reality, user data integration, situational awareness.

Progress in Quantum Technology

Examples: Developments in quantum technology, integration algorithms, performance of quantum clocks and sensors

Key Dates (for peer-reviewed papers)

Abstract Submission Deadline:	27 July 2018
Author Notification:	10 August 2018
Full Paper Deadline for Peer Review:	7 September 2018
Author Notification:	5 October 2018

Key Dates (for non-peer reviewed presentations)

Abstract Submission Deadline:	27 July 2018
Author Notification:	7 September 2018



Peer-Review Option

Authors who submit a paper to INC2018 will have the option to have their paper peer-reviewed. The peer-review process will be supervised by a committee of leading academics and industry experts.

To be eligible for peer-review your submission must meet the following criteria:

- The abstract must be uploaded to via www.rin.org.uk/page/INC2018 by 27 July.
- The completed manuscript must be submitted by 7 September.
- The manuscript must pass the peer review process.
- At least one of the authors must attend the conference and prepared to present the paper.
- Final manuscripts must be representative of the originally submitted abstract.

If accepted into the conference, your written paper may be submitted for publication in the world-renowned Journal of Navigation.

Successful peer-review paper submissions will be designated as “peer-reviewed” in the conference proceedings.