

European Navigation Conference 2020

(ENC 2020)

11-14 May 2020, International Congress Center,
Dresden / Germany



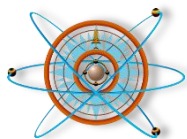
Revised CALL FOR PAPERS

New organization and deadlines

ENC is the International Navigation Conference organized by the European Institutes of Navigation. ENC 2020 will be held in Dresden, Germany next to the famous Elbufer, which is one of the most beautiful baroque ensembles at all.

In navigation we currently see a number of important developments. Galileo and Beidou are about to achieve full operations. The first GPS III satellite has been launched. The experimental NTS-3 is under preparation. All systems are planning for the future, considering options such as intersatellite links, optical time standards and new approaches using also satellites at other altitudes. In addition, the industrialization of atom wave interferometric inertial units has been announced recently. Furthermore, navigation is used ubiquitously with developments ranging from hardening by anti-jamming and anti-spoofing for safety and security dependent applications in transportation and infrastructures to a near-infinite number of smart applications. This is a perfect context for an interesting conference to which we would like to invite you to contribute.

Please [submit your paper](#) either as a full paper or as a draft paper (extended abstract) of at least 4 pages by **January 31st 2020**. Camera ready copies of the full paper are due by June 15th. Submitted papers should be of sufficient detail to be evaluated by expert reviewers in the field. Acceptance (oral or poster) will be based on the review results. We will notify the authors by March 15th the latest. All papers (oral and poster) will be part of the conference proceedings and will appear in the IEEE Xplore digital library.



www.enc2020.eu

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Sessions and Chairs

Program Co-Chairs: Christoph Günther, Michael Meurer, Evelin Engler, DLR

Future Systems - John Betz, MITRE; Gabriele Giorgi, DLR

System Evolution - Javier Benedicto, ESA; Michael Swiek, GPS Innovation Alliance

High Accuracy - Peter Teunissen, TU Delft and Curtin University of Technology; Patrick Henkel, DLR

Signal Processing for Resilient Navigation - Fabio Dosis, Politec.di Torino; Thomas Pany, UniBw

PNT Security and Robustness - Oscar Pozzobon, Qascom; Michael Meurer, DLR/RWTH Aachen

Autonomous Systems - Mathieu Joerger, Virginia Tech; Florian Holzapfel, TUM

Inertial Sensing - Jan Wendel, Airbus DS; Andrey Soloviev, QuNav

Crowd Systems - Smartphones - Terry Moore, Univ. of Nottingham; Dennis Akos, Univ. of Colorado

Aeronautical Systems - Dirk Kügler, DLR; Maarten Uijt de Haag, TU Berlin

Augmentation - Todd Walter, Stanford Univ.; Ilaria Martini, European Commission

Alternative Position, Navigation and Time - Sherman Lo, Stanford Univ., Martin Bransby, GLAS

Maritime Navigation - Adam Weintrit, Gdynia Maritime University; Carlos Jahn, TU Hamburg-Harburg

Navigation in Space - Jens Wickert, GFZ Potsdam; Oliver Montenbruck, DLR

Atmospheric Research - Patricia Doherty, Boston College; Norbert Jakowski, DLR

Clocks Technologies - Demetrios Matsakis, USNO; Patrick Gill, National Physical Laboratory

Time Scales and Dissemination - Fritz Riehle, PTB; Alexander Mudrak, ESA

Space Geodesy - Harald Schuh, GFZ/TU Berlin; Lambert Wanninger, TU Dresden

Road Navigation - Uwe Plank-Wiedenbeck, Uni Weimar, Frank Zimmermann, cesah

Rail Navigation - Oliver Michler, TU Dresden; Eckehard Schnieder, TU Braunschweig

Digital Farming - John Lewis, INNO Space2Agriculture; Steve Rounds, John Deere

Navigation for Authorized Users - Rodrigo da Costa, GSA; Hendrik Osenberg, DLR

Kepler - Christoph Günther; DLR/TUM; Gabriele Giorgi, DLR

Explorer Initiative - Oliver Funke, DLR; Javier Ventura-Traveset, ESA



Exhibition

Companies, agencies, and research institutions are invited to contribute to a exhibition of technologies and capabilities, which will be shown next to the conference area. Areas must have been booked before March 1st 2020. [Exhibitor registration](#)