





Faculty of Maritime Studies, University of Rijeka, Croatia



12th ANNUAL RIN BAŠKA GNSS CONFERENCE

Baška, Krk Island, Croatia,

6 - 9 May, 2018

Under the High Auspicies of The European Academy of Sciences and Arts



Beihang University, Beijing, China Department for Mathematics, Faculty of Science, University of Zagreb, Croatia

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Faculty of Engineering, University of Rijeka, Croatia



Media coverage

Coordinates



Welcome to 12th Annual Baška GNSS Conference!

The Royal Institute of Navigation, London, UK, Faculty of Maritime Studies, University of Rijeka, Croatia, and Faculty of Transport and Traffic Sciences, University of Zagreb, Croatia have a privilege in welcoming you to the **12th Annual RIN Baška GNSS Conference** to be held on **6 – 9 May, 2018** in **Baška, Krk Island, Croatia**.

The conference is organised under the High Auspicies of The European Academy of Sciences and Arts, Salzburg, Austria, and technically co-sponsored by Beihang University of Aeronautics and Astronautics, Beijing, China, Department for Mathematics, Faculty of Science, University of Zagreb, Croatia, and Faculty of Engineering, University of Rijeka, Croatia.

Media coverage is provided by Coordinates Magazine (Delhi, India).

This traditional and unique event aims to gather worldwide experts in satellite navigation and related disciplines, and focuses on GNSS resilience and GNSS applications development. The unique environment of Baška, its natural resources, and rich history and culture, combined with traditional hospitality, will again create an inspiring atmosphere for ideas and knowledge exchange, well known to those who attended the previous conferences in the series.

A list of subjects are to be addressed during 12th Annual Baška GNSS Conference comprises, but does not limit to:

- core satellite navigation systems developments and modernisation,
- satellite-based augmentation systems (SBAS),
- signal processing and navigation methods, techniques, and algorithms,
- navigation of autonomous flying and road vehicles, surface and underwater vessels, and robots,
- methods and techniques for anomaly detection in GNSS performance and operation (space weather/ionospheric effects, jamming, spoofing, meaconing),
- data mining of massive GNSS-generated data sets (AIS records, ADS-B records, telecommunications network activity records etc.)
- cyberattack prevention, GNSS cryptography and signal authentication,
- GNSS data crowdsourcing,
- congition in navigation,
- GNSS applications for air, marine, land and personal navigation, Location-Based Services, Intelligent Transport Systems, and Search and Rescue (SaR) operations,

- GNSS alternatives, augmentations and assistance,
- legal issues in GNSS utilisation and autonomous navigation,
- Special session on Intelligent Decision Support Systems in Maritime Navigation

Interested parties are kindly invited to submit the extended abstracts (300 - 500 words) of the proposed papers to **Ms Mia Filić**, **MSc (Comp Sci et Math) MRIN** (e-mail: filicmia@gmail.com), Conference Proceedings Editor and Conference Programme Chair, no **later than 15th February, 2018**. Submitted papers will be considered for presentation by the International Reviewing Committee, with the acceptance reports to be distributed to authors before **15 March, 2018**. Following the peer-review process, the accepted paper will be published in a conference proceedings, to be cited to in respectable international scientific databases.

In addition, the conference participants are kindly invited to **register their participation with the Royal Institute of Navigation** by contacting **Ms Louisa Chanter** (e-mail: events@rin.org.uk), RIN Conference Manager.

The **GBP 80** (RIN members) **/GBP 100** (non-members) conference fee applies. **The exhibition area will be arranged and provided to interested parties at no additional costs.**

The latest developments in regard to the fothcoming conference can be followed at the RIN web-site: http://www.rin.org.uk.

We are looking forward for the privilege to welcome you to Baška.

International Programme and Organising Committee

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John Pottle, FRIN, Director, The Royal Institute of Navigation, London, UK, Conference Chair

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