11th ANNUAL RIN
BAŠKA GNSS CONFERENCE

Baška, Krk Island, Croatia,
7 - 9 May, 2017

Technical co-sponsor

Beihang University, Beijing, China

Department for Mathematics, Faculty of Science, University of Zagreb, Croatia

Media coverage

Coordinates

Welcome to 11th 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 **11th Annual RIN Baška GNSS Conference** to be held **7 – 9 May, 2017** in **Baška, Krk Island, Croatia**.

The conference is technically co-sponsored by Beihang University of Aeronautics and Astronautics, Beijing, China and Department for Mathematics, Faculty of Science, University of Zagreb, 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 friendly hospitality, will again create an inspiring atmosphere for ideas and knowledge exchange, well known to those who attended the previous conferences in the series.

Follow the most recent announcements and details on the Royal Institute of Navigation's web-site (http://www.rin.org.uk).

A list of subjects are to be addressed during 11th Annual Baška GNSS Conference, encompassing but not limited to:

- core satellite navigation systems' developments and modernisation,
- satellite-based augmentation systems (SBAS),
- space weather and ionospheric effects on GNSS performance and operation,
- GNSS applications for air, marine, land and personal navigation, Location-Based Services, Intelligent Transport Systems, and Search and Rescue (SaR) operations,
- resilience development againts natural (space weather and ionospheric) and artificial (jamming, spoofing and meaconing) disruptions of GNSS services,
- statistical and digital signal processing for electronic navigation and weak signal detection,
- GNSS receiver design (including Software-Defined and Cognitive Radio),
- advanced multidisciplinary GNSS applications (in geomatics, transport, navigation of autonomous rovers, data science, remote sensing, agriculture, geodesy, forestry, tourism, environment protection, meteorology and science),
- GNSS advancements, parallels and alternatives,
- cognitive aspects of navigation,
- GNSS education and professional advancement,
- regulatory and legal aspects of GNSS utilisation.

A series of special sessions will outline the most recent developments:
- <u>Special session</u>: resilient GNSS developments, GNSS parallels and alternatives,
- <u>Special session</u>: statistical signal processing, deep networks and Bayesian estimation for positioning methods and techniques, and
- <u>Special session</u>: GNSS for autonomous and connected aircafts, vehicles and vessels

Interested parties are kindly invited to submit the extended abstracts (300 - 500 words) of the proposed papers to **Dr Renato Filjar, FRIN (e-mail: renato.filjar@gmail.com)** no **later than 6th February, 2017**. Submitted papers will be considered by the International Reviewing Committee, with the acceptance reports to be distributed to authors before **15 March, 2017**. 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** either following the instructions provided at the RIN web-site (htp://www.rin.org.uk), or by contacting **Ms Sally-Anne Cooke** (e-mail: conference@rin.org.uk).

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

Finally, you are kindly invited to contact Dr Renato Filjar, FRIN (e-mail: renato.filjar@gmail.com) for any further information or assistance you may need in regard to your participation to the 11th Annual Baška GNSS Conference.

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.

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