



## **2<sup>nd</sup> GNSS Vulnerabilities and Solutions Conference Baška, Krk Island, Croatia 2 - 5 September, 2009**

The Royal Institute of Navigation, London, UK, and the Institute of Engineering Surveying and Space Geodesy, University of Nottingham, UK have a pleasure in inviting you to participate to the 2<sup>nd</sup> GNSS Vulnerabilities and Solutions Conference to be held on **2 - 5 September 2009** in **Baška, Krk Island, Croatia**.

This four day event will focus on problems and vulnerabilities, and in particular developments aiming to improve the accuracy and reliability of GNSS. It is aimed at bringing together academia, industry and the user community in order to disseminate information on GNSS technology and applications, with the aim of raising awareness of recent developments. Unique environment of Baška and its natural resources and historical monuments, along with a rich social programme and a friendly hospitality of the Baška Hotels, will again create an inspiring atmosphere for ideas and knowledge exchange, well known to those who attended the 1<sup>st</sup> GNSS Vulnerabilities and Solutions Conference in 2008.

Potential speakers and presenters are kindly invited to prepare the extended abstracts (300 – 500 words) concerning one of several of related subjects:

1. Core GNSS (GPS, Galileo, Glonass, Compass) system vulnerabilities and developments
2. GNSS augmentation system vulnerabilities
3. Space weather and ionospheric effects on GNSS positioning performance
4. GNSS interference identification and management
5. Tropospheric impact on GNSS positioning performance
6. Multipath navigation
7. Navigation algorithms
8. Design of user equipment (receivers and aerials)
9. System integration issues
10. Applications and user experience (air, marine, land and personal navigation; safety)

critical applications; S&R operations); Intelligent Transport Systems (ITS); Location-based Services (LBS); road pricing and traffic control; geomatics; marine traffic control; air traffic control; geodesy; agriculture; energy; sustainable development; construction etc.)

Two dedicated separate sessions will be organised to address the subjects of **space weather and ionospheric effects on GNSS**, and **safety critical applications** (including ITS).

Extended abstracts should be submitted to Dr Renato Filjar, FRIN by e-mail ([renato.filjar@yahoo.co.uk](mailto:renato.filjar@yahoo.co.uk)) no later than **1 May, 2009**. Final decision regarding the paper acceptance will be reached by **1 June, 2009**, when the authors of accepted articles will be notified of abstract acceptance and kindly invited to submit their papers (up to 10 pages recommended, in the Journal of Navigation-style format) by **15 July, 2009**.

The 2<sup>nd</sup> GNSS Vulnerabilities and Solutions Conference will be led by the **International Programme and Review Committee**:

Terry Moore, FRIN, University of Nottingham, UK, chairman  
Norman Bonnor, FRIN, The Royal Institute of Navigation, London, UK  
Ljiljana R Cander, STFC Rutherford Appleton Laboratory, Chilton, UK  
Paul Cross, FRIN, University College London, UK  
Alan Dodson, FRIN, University of Nottingham, UK  
Hrvoje Gold, University of Zagreb, Croatia  
Miro Govedarica, University of Novi Sad, Serbia  
Bernhard Hoffman-Wellenhof, Technical University of Graz, Austria  
Norman Hughes, FRIN, The Royal Institute of Navigation, London, UK  
Darko Huljanić, Ericsson Nikola Tesla, Zagreb, Croatia  
Gordan Ježić, University of Zagreb, Croatia  
Serdjo Kos, FRIN, University of Rijeka, Croatia  
David Last, FRIN, The Royal Institute of Navigation, London, UK  
Andy Norris, FRIN, University of Nottingham, UK  
Washington Ochieng, FRIN, Imperial College London, UK  
Sandro M Radicella, International Centre for Theoretical Physics, Trieste, Italy  
Adam Weintrit, FRIN, Gdynia Maritime University, Poland  
Bruno Zolesi, Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy

The following **Conference Organising Committee** will take responsibility for successful organisation of the conference:

David Broughton, FRIN, The Royal Institute of Navigation, London, UK, chairman  
Marcio Aquino, University of Nottingham, UK  
Djurdja Daljevac, Hoteli Baška, Croatia  
Renato Filjar, FRIN, The Royal Institute of Navigation Croatian Branch, Croatia  
Tomislav Kos, FRIN, University of Zagreb, Croatia  
Marko Ševrović, Institute of Transport and Communications, Zagreb, Croatia  
Krešimir Vidović, Institute of Transport and Communications, Zagreb, Croatia

### **Accommodation and conference participation package**

An early September should be considered a high season on the Northern Adriatic. A special

discounted delegate package that include 4-day accommodation, conference breaks and social events will be prepared for participants of the 2<sup>nd</sup> GNSS Vulnerabilities and Solutions Conference. Conference participants will be provided an opportunity to extend their stay at discounted prices. Accommodation package (EUR 300 per person) should be booked with Hoteli Baška directly (e-mail: [topic@hotelibaska.hr](mailto:topic@hotelibaska.hr) for bookings, details and assistance). A modest conference fee (£60) will be imposed in order to cover the costs of organisation. Conference delegates should pay the conference fee to the Royal Institute of Navigation prior to the conference (more details will be available on the RIN web-site: <http://www.rin.org.uk>).

## Travel information

Baška is easily reachable from different parts of Europe ([Rijeka/Krk Airport](#) service, seasonal flights to Rijeka/Krk Airport from various airports in Western and Central Europe, only a couple of hours drive from surrounding countries). Rijeka/Krk airport is 45 km far from Baška. Taxi and regular bus services are available for local transport. Contact conference organiser for more information and assistance.

## Invitation

You are kindly invited to join the leading satellite navigation professionals, engineers, developers, students and users in discussing the most demanding issues related to vulnerabilities of satellite navigation systems. The organising committee are looking forward to welcome you to Baška, Croatia.

For all information regarding the conference organisation and the opportunities to speak and attend, do not hesitate to contact Dr Renato Filjar, FRIN MIET (tel. +385 91 488 2222, e-mail: [renato.filjar@yahoo.co.uk](mailto:renato.filjar@yahoo.co.uk)). More details about Baška and its history can be found at the Baška Tourist Office web-site <http://www.tz-baska.hr> and the Baška Hotels web-site <http://www.hotelibaska.hr>. Baška picture gallery can be found at <http://www.flickr.com/photos/satnavigator>.

