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EXHIBITION & SPONSORSHIP

Companies & organisations interested in exhibiting or sponsoring are requested to tick the appropriate box below. Further information will be sent.

PROGRAMME & REGISTRATION

The Programme and Registration Form will be published in July and will be sent to those who complete the proforma below. Information will also be available on the website www.rin.org.uk. Proceedings will be available (free to delegates) as a CD-ROM.

DEADLINES

Potential authors should note the following dates:
Receipt of synopsis 2 May 2008
Notification of acceptance 27 June 2008
Receipt of full papers 17 October 2008

To: The Royal Institute of Navigation
1 Kensington Gore, London SW7 2AT
Tel: +44 (0)20 7591 3135 Fax: +44 (0)20 7591 3131
Email: conference@rin.org.uk Web: www.rin.org.uk

- I wish to offer a paper provisionally entitled
.....
.....
- I am interested in the NAV08/ILA37 Conference. Please send me
Programme(s) and Registrations Form(s) when available.
- I am interested in Exhibiting. Please send me more information about doing so.

Name:

Address:

Tel: Fax:

Email:



THE NAVIGATION CONFERENCE & EXHIBITION



NAVIGATION AND LOCATION: WE ARE HERE!

28 – 30 October 2008
Church House, Westminster, London



Royal Institute
of Navigation

International
Loran
Association

ADVANCE NOTICE & CALL FOR PAPERS



THE NAV08/ILA37 NAVIGATION AND LOCATION CONFERENCE AND EXHIBITION

The 'NAV' and ILA Conferences are important international fora, bringing together users and R&D specialists from all areas to discuss the evolution of navigation technology and practices. NAV08/ILA37 will be held at Church House, Westminster, London, from 28–30 October 2008 where topics spanning a wide navigational spectrum will be covered. There will also be a number of associated training sessions on 27 October 2008, covering many aspects of eLoran.

The Conference will occupy two parallel sessions over the three days. Major applications to be covered in-depth include maritime, aerospace and ground vehicle navigation. Technology and infrastructure issues will be examined, including those concerning eLoran, GNSS and other associated systems.

COLLABORATING ORGANISATIONS

To enable the Conference to benefit from the in-depth experience of the whole navigation community, NAV08/ILA37 is being supported by a number of major organisations: the German and Netherlands Institutes of Navigation (DGON and NIN), the Institute of Engineering and Technology (IET), KTN Location and Timing, the Nautical Institute (NI) and UKspace.

DELEGATES

Delegates and speakers will be drawn from across a wide range of disciplines and industries including:

Academics & Students	Navigation Training Managers
Company Managers	Policy Makers
Consultants	R&D Engineers and Scientists
Equipment Designers, Developers & Suppliers	Technical Managers
	Marketing Managers

INVITATION TO SUBMIT PAPERS

Authors should submit by email (conference@rin.org.uk) a synopsis of 300-500 words, which must include the paper title, and name(s), postal and email addresses of the author(s), to the RIN Conference Manager by 2 May 2008.

Synopses will be selected by an international committee, and judged on the originality of the work, technical content, supporting evidence and anticipated level of interest for the delegates.

Authors will be contacted by 27 June 2008. If accepted, authors will be invited to present their work during the Conference, as well as submit a full written paper (electronic copy only), prior to the Conference itself, for inclusion on the Conference CD.

RESERVE PAPERS

Authors of reserve papers will be notified by 27 June 2008. These authors may be called upon to present during the Conference and their papers will be published in the Conference CD. All reserves will be given the opportunity to display posters during the Conference.

SESSION TOPICS

eLoran

eLoran technology, eLoran status, policy and management, the role of eLoran in future navigation and location services, time and frequency applications, modernisation progress, eLoran users and services, Loran Data Channel (Eurofix, 9th and 10th pulse), signals and propagation, interference and noise, receiver technology, eLoran applications, standards and certification.

Location Based Services

Integration of positioning within communications handsets, data collection & updating issues for mapping and points-of-interest databases, user interfaces & display techniques, content provision, map-matching, performance of A-GPS chipsets, built-in or nomadic LBS equipment.

Maritime

e-Navigation, radar, electronic charts, AIS, inertial navigation systems, integrated navigation systems, navigation displays, human element, VTS, AtoN including lights, portable pilot units, docking systems, underwater systems, collision regulations, navigation-related accident analyses

Aerospace

The Single European Sky, airspace & route design, RNAV, ADS-B, gate-to-gate navigation, GNSS performance assessment & certification, precision approach, landing & surface movement, GPS applications, ABAS, GBAS, SBAS & Galileo applications, AIM & data integrity, space applications, General Aviation and UAVs.

Road & Rail Applications

In-car navigation issues & future developments. Safety implications of the widespread use of such systems. Developments in asset tracking and anti-crime applications. The use of GNSS, eLoran & other technologies in rail, bus and general ITS services.

Government, Emergency & Secure Applications

Navigation & positioning for high integrity public sector & similar systems. Infrastructure, traffic management & enforcement, road pricing, insurance pricing, public safety, environmental monitoring, national security & intelligence, telecoms, utilities & military applications.

Personal Navigation

New techniques for pedestrian navigation, urban canyons, under trees and inside buildings, sensor integration, the nomadic handset concept.

GNSS Infrastructure

Developments, status, plans and future concepts in GPS, GLONASS & Galileo infrastructure as well as EGNOS, other SBAS, GBAS, Compass, Beidou, QZSS, IRNSS & Eurofix.

High Performance GNSS

Equipment designs to improve performance in jamming & obtaining navigation solutions in areas of low signal strength & high multipath. The increased use of RTK for dynamic applications; error modelling together with other techniques for obtaining more robust high precision.

Urban and Indoor Positioning

Wireless local area networks (WLAN), ultra wide band (UWB), cellphone-based systems, the use of broadcasting signals & developments in novel navigation sensors.

Integrated Navigation

Advances in multi-sensor systems & integration techniques, including the integration of inertial sensors (including MEMS), dead-reckoning, spatial databases, map-matching & terrain-referenced navigation.

Test Standards and Certification Issues

Generating performance standards for equipment testing and type approval, including presence of interference and effectiveness of RAIM. Testing before full constellations are available.