

2018 Israel Navigation Workshop and Exhibition – First Announcement

The Israel Navigation Workshop and Exhibition (INWE18) is a biennial event organized and sponsored by the Israel Association for Automatic Control (IAAC), a Member Institute of IAIN.

For those not familiar with the association, the IAAC is a non-profit organization bringing together a large number of members from academe and industry interested in the broad areas of Control and Systems Theory.

Readers are invited to check the webpage here for further details and the opportunity to subscribe to the IAAC mailing list:

<http://www.technion.ac.il/~iaac/home.html>

Following the huge success of previous events, the 2018 edition of the Israel Navigation Workshop and Exhibition has been scheduled for 29 January, at the Daniel Hotel in Herzliya.

INWE18 will be a one-day event dedicated to technical talks in navigation systems ranging from fundamental research, to applications and to field test results.

Topics of interest include positioning, navigation and timekeeping in all their variations, sensors, systems, optimal integration of multiple sensors, and novel or emerging technologies in the field of navigation.

In parallel with the talks there will be hosted a technical exhibit in which navigation equipment manufacturers and systems suppliers will have the opportunity to show their current products and most recent technical innovations.

Delegates can expect to see the latest, most innovative navigation products and services from leading navigation companies.

Finally, the event brings together the large community of researchers, suppliers and users in the navigation scene in Israel, making attendance a unique opportunity to meet experts in the navigation field in Israel.

The plenary lecture of INWE18 will be delivered by Dr Valerie Renaudin, Research Director and Laboratory Head, IFSTTAR*.

Dr Renuadin is one of the leading researchers in the field of indoor navigation and related emerging technologies.

In INWE18 there are expected to be three tracks:

1. Navigation Workshop, in which recent advances in navigation will be presented. Organized by Professor Vadim Indelman, Department of Aerospace Engineering, The Technion (e-mail: vadim.indelman@technion.ac.il).
2. Navigation Sensors and Systems Exhibition, in which companies in the navigation market will have the opportunity to show their products. Organized by Dr Hector Rotstein, Research Fellow, Rafael Advanced Defense Systems Ltd. (e-mail: hector@rafael.co.il). Although the cost of presenting at INWE18 has not been set yet, it is expected to be similar to the events in the 2016 series (1,750 shekel).
3. Poster Session dedicated to students and researchers who wish to present preliminary results and to small start-up companies to describe their ideas.

Deadlines

31 October. Deadline for sending an abstract for talks in the Workshop, and expressing interest to present a poster.

30 November. Deadline for contracting an exhibition booth.

11 January. Deadline for sending your final presentation.

Topics of Interest

Topics of interest for the Workshop include, but are not limited to:

- New concepts, advances and algorithms
- Emerging navigation, control, and timing sensor technologies and their applications
- Developments in ground-based and satellite-based augmentation systems
- Use of existing and / or new, innovative inertial sensor technology and designs for demanding environments and applications
- Sensors and algorithms for enabling navigation in indoor environments
- Effects of interference on the GNSS RF bands

- Navigation challenges posed by emerging micro air or ground vehicles
- Techniques involving new ways of integrating traditional aiding sensors or new aiding sources into multisensory integrated navigation systems
- Discussion of manufacturing, test and evaluation of all types of sensors
- Projects, concepts, systems, and advanced algorithms related to emerging vision based navigation applications

*Institut français des sciences et technologies des transports, de l'aménagement et des réseaux, France (IFSTTAR) is a major player in European research on the city and the territories, transportation and civil engineering, otherwise known as the French Institute of Science and Technology for Transport, Development and Networks, created in 2011.

It is a public institution of a scientific and technical nature, under the joint supervision of [the Ministry of Environment, Energy and the Sea](#) and the [Ministry of Higher Education and Research](#). (See also: <http://www.ifsttar.fr/en/welcome/>)