

2018 Israel Navigation Workshop and Exhibition

Third Announcement

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

For those not familiar with the association, the IAAC is a non-profit organization congregating a large number of members from Academy and Industry interested in the broad areas of Control and System Theory. IAAC is also a member of the International Association of Institutes of Navigation (IAIN). Check the webpage <http://iaac.technion.ac.il/home.html> for further details and the opportunity to subscribe to the IAAC mailing list.

Following the huge success of previous events, the 2018 edition of the Israel Navigation Workshop and Exhibition has been scheduled for January 29, 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, to field test results. The topics of interest include navigation, positioning 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 INWE18 will host a technical exhibition in which navigation equipment manufacturers and suppliers will have the opportunity to show their current products and most recent technical innovations. You can expect to see the latest, most innovative navigation products and services from top navigation companies.

Finally, the event will bring together the large community of researchers, suppliers and users in the navigation area in Israel, making it a unique opportunity to meet all the who's who in the navigation field in the country.

The plenary lecture of INWE18 will be delivered by Dr. Valerie Renaudin, Research Director and Laboratory Head, IFSTTAR. Dr. Renaudin is one of the leading researchers in the exiting field of indoor navigation and related emerging fields.

The INWE18 will have two tracks:

1. Navigation Workshop, in which recent advances in navigation will be presented. Organized by Prof. Vadim Indelman, Dept. of Aerospace Engineering , The Technion (vadim.indelman@technion.ac.il).
2. Navigation Sensors and Systems Exhibition, in which companies in the navigation marked will have the opportunity to show their products. The exhibition is organized by Dr. Hector Rotstein, Research Fellow, Rafael

Advanced Defense Systems Ltd. (hector@rafael.co.il). The cost of a stand at the exhibition has been set to 1,900 shekel. Please note that the available space is limited, so please contact the organizer ASAP if you would like to be one of the presenters.

Deadlines:

- November 30. Deadline for contracting an exhibition booth.

The following companies have confirmed their participation in the exhibition:

Arazim, Hypertech, GPSDome, Spectracom/Intelics, Accord/E2ES, Trimble-
Applanix/Axis GPS, Systron Donner Inertial/Degel, Northrop Grumman,
Septentrio/FMS Aerospace, Al Cielo Inertial Solutions, Honeywell, Accubeat.

Please contact the Workshop secretariat at: mira@ee.technion.ac.il for further details and instructions.

- January 11. Deadline for sending 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

List of exhibitors:

| Company | Contact |
|---------------------------------|-------------------------|
| Arazim | Sason Noama |
| Hypertech | Omer Kaveh |
| GPSDome | Aviv Shaked |
| Spectracom (Intelics) | Avi Zissu |
| Accord (E2ES) | Ami Harel |
| Trimble, Applanix (AXIS GPS) | Samuel Awawdi |
| Systron Donner Inertial (Degel) | David Hoyt, Ronen Nimni |
| Northrop Grumman LITEF GmbH | Andrea Kempf |
| Septentrio (FMS Aerospace) | Albert Yegudaev |
| Al Cielo Inertial Solutions | Elisheva Sultan |
| Honeywell (Elul) | Matt Brown |
| Accubeat | Chagai Levi |
| Novatel (WaldyTech) | Eytan Dreifuss |