The Israel Navigation Systems and Applications Workshop and Exhibition is a biennial event organized and sponsored by the Israel Association for Automatic Control (IAAC) to serve the wide audience of people in Israel interested in the navigation science and art. The one-day workshop is dedicated to technical talks that range from fundamental research, to applications, to field test results. The exhibition is a unique opportunity to bring together in one location the different industries and representatives offering navigation related hardware.

The Itzhack Bar Itzhack invited speaker will be Valerie Reanudin, head of the Geopositioning Lab in the French Research Institute on Transport and one of the leading experts in Indoor Navigation Systems. We will also hear talks on visual based navigation, GPS/GNSS receivers, Celestial Navigation and on new advances in sensor fabrication. Overall, the workshop offers a balanced and heterogeneous program with a mix of academic and industry speakers.

Besides the technical objectives, the Workshop and Exhibition will provides a great opportunity for networking among all the participants that range from students pursuing an academic degree, researchers and users in Academy and Industry, and policy makers in this highly dynamic field.

We are looking forward to a very successful event.

Workshop organizers: Dr. Héctor Rotstein, Rafael and Dr. Vadim Indelman, Technion.

List of exhibitors:
Navigation Systems and Applications
January 29, 2018
Advanced Program

8:30  Registration and visit to the Exhibition
9:00  Opening
9:15  Session 1
9:15  Itzhack Bar Itzhack Invited Talk:
   Human Dimensions of Navigation  
   Daniel Choukrun, BGU
10:15 Satellite relative navigation via dual quaternion filtering  
   Satellite relative navigation via dual quaternion filtering
10:15 Satellite relative navigation via dual quaternion filtering  
   Daniel Choukrun, BGU
10:35 Smartphone Mode Recognition for Improved Pedestrian Dead Reckoning  
   Itzik Klein, Rafael
10:55  Coffee break and visit to the Exhibition
11:40  Session 2
11:40  Indoor Navigation using a Monocular Camera and a Floor Plan  
   Amir Geva, Technion and Hector Rotstein, Rafael
12:00  Bundle Adjustment with Feature Scale Constraints for Enhanced Estimation Accuracy  
   Vladimir Ovechkin and Vadim Indelman, Technion
12:20  From Insects to Vikings to Modern Times: Exploiting Light Polarization for North Finding  
   Shlomi Voro, Lirhot
12:40  IMU-12 – More performance in small size  
   Arnon Arbel, Al Cielo Inertial Solutions
13:00  Lunch break and visit to the Exhibition
15:00  Session 3
15:00  Novatel GNSS Interference Toolkit  
   Richard Gutteling, Novatel
15:20  Celestial GPS  
   Giora Kutz
15:40  Initial Test Results of Indian Regional Navigation Satellite System NAVIC Receivers  
   Jayanata Kumar Ray and Kiran S, Accord Software & Systems Private Ltd., Bangalore, India
16:00  Coffee break and visit to the Exhibition
16:40  Session 4
16:40  Novel Baro-Inertial Filter  
   Dotan Weinstein, Rafael
17:00  GNSS Jamming and Spoofing  
   Moshe Kaplan, GPSDome
17:20  High Accuracy NFSR with Short-Time Alignment Under Angular Rotation  
   Jacob Bavli, Itzhak Ovadia, Moti Bar and David Omer, IAI TAMAM
17:40  End
Navigation Systems and Applications

Shiurit beMolot ’Denia’l, ’Harzelot

Yom B’, 29 L'Ilana, 2018

Temahim:

Shem:

Shtab:

Dorot:

Makom: 

Telfon:

Temim shehinhut (kolilem arahot zehirim, cinbozd och lehordot hatorah uhanot):

Rishonim modkim li 480 $ 22.1.2018
Rishonim modkim li 530 $ 23.1.2018
Rishonim modkim li 230 $ 2018

Topez hareshela: Mireh Aran, Mizeh, K. haTechnion, Hifu, 32000

E-mail: mira@ee.technion.ac.il

Tel.: 04-8295745

Lihine: No. 29, Me’at haRabita beToratela leMolot Denia, Yiza cal 10 Dokh (no. 15 Dokh)

Albilet mehurets – biksho boshuim

Rafal – mehurets lehordot makdimot benuim

Ko’ah loFmacher Gneini – Gnei

Temim shaharim b’keilim umiyu miMosheh zu: Tefunt hameleuchim lehaFmachehut

B’kabla’o, mekom shel haluchim shel amakdim.
Workshop and Exhibition:

Navigation Systems and Applications

That will take place on the "Daniel" Hotel, Herzliya

On January 29, 2018

Registration Form:

Name: __________________________________________
Address: _________________________________________
E-mail: ___________________________________________
Working Place: ___________________________________
Phone: _________________ Fax: _______________________

Registration Rate:

Early registration up to 22.01.2018:  480 Israeli Shekel
After 22.01.2018: 530 Israeli Shekel
Full-time Student: 230 Israeli Shekel

Method of Payment:

☐ Check enclosed. Please mail registration form with payment to: Mira Aran, IAAC Secretary, Department of Electrical Engineering, Technion City, Haifa 32000, Israel. Make checks payable to: IAAC – Israel Association of Automatic Control.

☐ Charge to the institutional account number: ________________

☐ On-site registration. Only payments in cash or check will be accepted.

Date: ___________________ Signature: ___________________

Registration Forms may also be sent by e-mail to mira@ee.technion.ac.il or by fax to +972 4 829 5745 (For Mira).

For your convenience, Line 29 from Herzliya Train Station to the Daniel Hotel runs once every 10 minutes. Travel time is approximately 15 minutes.

The following companies provide support to the IAAC activities including this Workshop:

ELBIT Systems – Aerospace and Defense Company
NEGEV Nuclear Research Center
RAFAEL Advanced Defense Systems