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BELS WORKSHOP
EGNSS SOLUTIONS FOR SUSTAINABLE DEVELOPMENT
FEBRUARY 28, 2018
HO CHI MINH UNIVERSITY OF TECHNOLOGY, HO CHI MINH City | VIETNAM

BELS WORKSHOP | Satellite Navigation Technology is part of our daily life, it is embedded in a great amount of systems and devices: from the air traffic monitoring to our smartphones, from agriculture to disaster mitigation. Until a few years ago satellite navigation was GPS but in the last five years many things changed, and more will change in the years to come. If you are interested in satellite navigation, in its applications and in discovering the new trends of this amazing technology join us for the BELS workshop! The BELS workshop presents the status of satellite navigation technology and the project's activities in South East Asia and in Europe.

THE PROJECT | BELS involves companies, institutions, researchers from Europe and South East Asia (SEA) working in the field of Global Navigation Satellite Systems (GNSS). The project strengthens the collaboration between European and South East Asian institutions, facilitates the testing of European GNSS solutions in the South East Asian environment and fosters the mobility of students and researchers in the field of GNSS across the two regions.

BELS activities span a 3-year period (2015-2018). BELS is funded by the European GNSS Agency – GSA, under the framework of the Horizon 2020 programme.



The NAVIS | The NAVIS Centre is based at the Hanoi University of Science and Technology (HUST) in Hanoi, Vietnam. Founded in 2010 within another project, the NAVIS is linked with the most important GNSS R&D centres in Europe and Australia. Its research activity is focused on software defined radio Multi-GNSS receivers, techniques for precise positioning, low-latitude ionospheric monitoring, GNSS applications for ITS, technology transfer, etc. Many of its researchers studied in Europe and are used to the European environment.

THE BELS WORKSHOP

- ▶ ... European and Asian researchers will provide an overview on GNSS, on the most promising applications, with a focus on South East Asian needs and on the European system Galileo.
- ▶ ... local researchers will introduce the national GNSS experience
- ▶ ...European GNSS companies involved in BELS will present their activities
- ▶ ...the NAVIS Centre in Vietnam will presents it most important research products

REGISTER NOW

The Workshop will be held in English. The participation in the BELS Workshop is **free of charge**. The number of participants is limited. Early registration is recommended. You can register with Dr. Pham Viet Cuong – Faculty of Electrical and Electronics Engineering, Ho Chi Minh City University of Technology, Email: pvcuong@hcmut.edu.vn.





AGENDA | FEBRUARY 27TH, 2018

08:30 – 09:00	Registration
09:00 – 09:10	Welcome Remarks (HCMUT)
09:10 – 09:20	Introduction – The BELS Project, Ms. Gabriella POVERO, ISMB (Italy)
09:20 – 09:40	GNSS: Status of GNSS systems, Ms. Gabriella POVERO, ISMB (Italy)
09:40 – 10:00	European contributions to GNSS, Dr. Baerbel Deisting, bavAIRia (Germany)
10:00 – 10:20	The NAVIS: A Centre for the Development of Satellite Navigation in South East Asia, Prof. Ta Hai Tung, NAVIS Center - HUST (Vietnam)
10:20 – 11:00	COFFEE BREAK
11:00 – 11:20	GPS/INS Integration and its application, Dr. Nguyen Vinh Hao, HCMUT (Vietnam)
11:20 – 11:40	TBD
11:40 – 12:00	Traffy Waste – A case study of using GNSS for waste collection management in Phuket Smart City, Dr. Wasan Pattara-atikom, NECTEC (Thailand)
12:00 – 14:00	LUNCH
14:00 – 14:20	Protecting GNSS applications and services, Mr. Mark Dumville, Mr. Mike Patterson, NLS (United Kingdom)
14:20 – 14:40	New method for Detecting and Characterising Ionospheric Scintillation from 1Hz measurements collected by Standard Geodetic Receivers, Prof. Jaume Sanz, gAGE/UPC (Spain)
14:40 – 15:10	A tool to monitor ionospheric scintillations on GNSS signals, Dr. Hoang Van Hiep, NAVIS Centre, HUST (Vietnam)
15:10 – 15:40	COFFEE BREAK
15:40 – 16:00	Traffy Transit - Bus location, arrival prediction, and passenger activities recognition using GNSS, Napong Wanichayaong, Sumate Phankaweerat , NECTEC (Thailand)
16:00 – 16:30	Demos by the NAVIS: Low cost approaches for advanced GNSS technologies Mr. Thuan NGUYEN DINH, NAVIS Center - HUST (Vietnam)
16:30 – 16:40	Wrap up and Conclusions, Prof. Gustavo BELFORTE, Politecnico di Torino (Italy)
16:30 – 16:40	Closing remarks, Dr. Do Hong Tuan, HCMUT (Vietnam)

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The content of this brochure is sole responsibility of the BELS partners and it does not necessarily reflect the views of the European Commission or the European GNSS Agency



HORIZON 2020

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