

ESA/JRC International Summer School on GNSS 2018

The ESA/JRC International Summer School on GNSS is hosted this year by Austria from 16 to 27 July 2018 in Loipersdorf, Austria. It is in cooperation with Stanford University in the United States, the Institut Supérieur de l'Aéronautique et de l'Espace ISAE-SUPAERO in Toulouse, France, Graz University of Technology in Austria and the University FAF Munich in Germany.

The ten-day course will cover all aspects of satellite navigation, up to and including the creation of a satnav-based business.

Supported by Graz University of Technology and the Austrian Institute of Navigation, the Summer School is open to graduate students, PhDs and postdoctoral researchers, as well as young engineers and academics working within industry or agencies, aged 35 or younger.

Register before 15 May 2018 to benefit from an early registration discount. The number of participants is limited to 50, on a first come, first served basis.

Internationally renowned scientists and specialists will be giving lectures as well as overseeing practical exercises and lab work.

Participants will receive a full-spectrum overview of satellite navigation, starting from the theoretical basis of the Global Navigation Satellite System, its signals, the processing performed by signal receivers and how the position-navigation-time solution is worked out.

Discussion will also be made of threats to satnav systems, such as spoofing or jamming, and the countermeasures available against them, along with back-up navigation solutions for a GNSS-denied environment.

Practical exercises will include receiving the various satnav constellations now in orbit – including Europe's Galileo, to give course members direct, hands-on experience.

In addition, lectures will cover business aspects, including patents and intellectual property rights.

The main emphasis of the course will be the development of a group business project, building on an innovative idea to take in the planning of the product or service, its technical realisation and finally its marketing to customers.

For more information see www.esa-jrc-summer-school.org