

SEMINAR

Galileo High Accuracy Service (HAS), new perspectives for real time satellite positioning and applications

Free assistance

Wednesday September, 20 *

SALÓN DE ACTOS ETSIGCT / ASSEMBLY HALL ETSIGCT

11:30 – 13:30 Lecture by Tomasz Hadas: Galileo HAS: description, performance and applications (positioning and troposphere).

Thursday September, 21 *

AULA CGF3 DCGF / CLASSROOM CGF3 DCGF

10:00 – 13:00 Workshop by Tomasz Hadas: Analysis of HAS corrections, determination of precise satellite orbit and clocks (Matlab / Python):

- Description of the HAS application algorithm – broadcast ephemeris calculations, orbit and clock corrections, IOD check;
- Implementation in Matlab / Python (a source code for broadcast ephemeris calculation will be provided in advance);
- Accuracy evaluation – comparison with CODE final products.

Thursday September, 21 *

AULA CGF3 DCGF / CLASSROOM CGF3 DCGF

15:00 – 18:00 Workshop by Tomasz Hadas: Validating the performance of HAS in simulated real-time environment (RTKLib / BKG Ntrip Client):

- Setting up the PPP processing (static and kinematic) in the RTKLib or BKG Ntrip Client;
- Comparing HAS products with CODE Final products (daily SP3 files provided in advance, BKG Ntrip Client);
- PPP using HAS and CODE Final products – evaluation of results.

Friday September, 22

SALÓN DE ACTOS ETSIGCT / ASSEMBLY HALL ETSIGCT

9:30 – 11:30 Lecture by Manuel Hernández Pajares: From GNSS ionosphere to the ionospheric tomography common clock model: a potential contribution to HAS.

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12:00 – 14:00 Meeting with researchers and PhD students: Sharing Tomas and Manuel's experience in their research career with PhD students and researchers.

* During Wednesday and Thursday, bilateral meetings will be established with Tomasz Hadas by researchers, research groups and doctoral students and thesis directors to develop possible joint plans for projects, stays or thesis co-directions. The schedule will be established according to the requests. Write to aemartin@upvnet.upv.es to fix a meeting.