



2026

28-30 APRIL 2026 | AUSTRIA CENTER VIENNA | VIENNA, AUSTRIA

Plenary Sessions



- **Panel Discussion**

- PNT Resilience & Assurance
- Policy, Industry Support, Independent Advice & Guidance

- **Updates**

- ESA, EC, EUSPA, SpaceOpal, UNOOSA, ICG
- Austrian Industry

- **Other Highlights**

- Young Navigators
- Conference Dinner

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Plenary Sessions

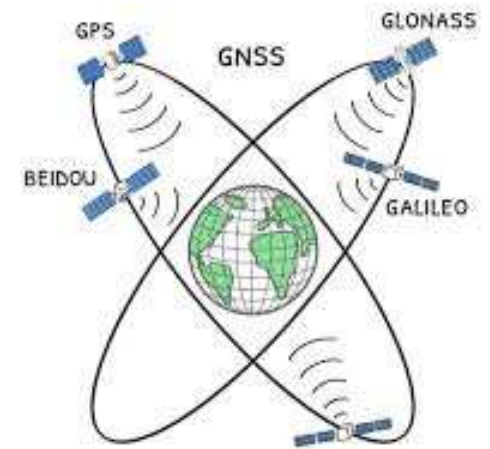


- **Panel Discussion**
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Track 1: GNSS & PNT Services

- Development of smartphone PPP apps
- Galileo HAS performance
- PPP Ambiguity Resolution now widely implemented
- Quasi-Pilot signal deployed on 12 Galileo satellites
- Advances in meta-signal processing (multi-frequency)
- Galileo Signal Authentication Service (SAS)
- Solar activity peak has driven forward ionospheric research
- Interest in Factor Graph-based algorithms



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Track 2: Resilience & Robustness



- Signals of opportunity and crowd sourced signals for interference detection and localization
- Sensor fusion and cross domain data integration for secure PNT services
- Impact of new and evolved jamming signals on GNSS receivers and multi-receiver tracking
- GNSS Maritime Interference Survey
- JammerTest Norway
- OSNMA & Ranging Authentication
- LEO communication signals for opportunistic user positioning
- **Young researchers giving engaging and excellent presentations.**

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Track 3: Multi-Sensor & AI-Enhanced Navigation



- New filtering approaches & GNSS/INS & Vision-Aided sensor fusion
- Scientific teams are clearing a path for industry that provide robust and cost efficient solutions
- Cooperative positioning & localization
- eLoran as a viable alternative and complement for PNT
- Machine Learning to improve positioning performance
- Hybrid Classical-Quantum Inertial Navigation

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Track 4: Application Areas



- Presentations in a large variety of fields of application
- Satellite navigation is amazing - right up until reality gets in the way
 - Dynamic environments and changing conditions
 - GNSS denied environments
- Goal : make GNSS more reliable
 - Improved filtering and algorithms and alternative navigation methods
 - Standards need to adapted and updated
- Shifting from solely on GNSS to resilient, hybrid navigation systems that can handle real-world complexity

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Track 5: Future Trends



- Encouraging signs from LEO-PNT signal-in-space tests
 - progress in orbit determination and time synchronisation
- New frontiers in instrumentation
 - optical lattice clocks with a stability of 1×10^{-19}
 - optical inter-satellite links
 - evolution of the Kepler satellite navigation system
- Much progress and activity in Satellite Signals of Opportunity
- Highly novel beamforming antennas using additive manufacturing
- Space-based quantum time synchronisation architecture

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Highlights of the Conference



- **Seamless**
 - Across Domains
 - Across Systems
- **Smarter**
 - Advanced Technology
 - Advanced Manufacturing
- **Stronger**
 - Resilience and Robustness
 - Interference and disruption

Track: GNSS & PNT Services

Track: Resilience & Robustness

Track: Multi-Sensor & AI-enhanced Navigation

Track: Application Areas

Track: Future Trends

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