



2026

Austria Center Vienna (ACV)
Vienna, Austria

PROGRAMME

28-30 APRIL 2026

Check the latest programme online:



WELCOME

On behalf of EUGIN and OVN, a very warm welcome to ENC 2026! We hope you can gain knowledge and insights, and grow your connections, all while having an enjoyable experience at ENC 2026 this week.

Best wishes,

Prof. Dr. Robert Weber,
President Österreichischer Verein für Navigation (OVN)

Dr. Nina Magnet,
Vice President Österreichischer Verein für Navigation (OVN)

Prof. Terry Moore,
Chair, European Group of Institutes of Navigation (EUGIN)

THEME and TRACKS

This year's conference theme is:

Navigating the Future: Seamless, Smarter, Stronger

As positioning, navigation and timing (PNT) technologies continue to evolve, the future of navigation will be defined by systems that are increasingly seamless across domains, smarter through advanced technologies such as AI and machine learning, and stronger against interference and disruption.

The programme has been coordinated by the Technical Programme Committee Co-Chairs:

- *Ass. Prof. Dr. Gregor Möller*, Assistant Professor of Satellite Navigation, TU Wien
- *Prof. Marek Ziebart*, Professor of Space Geodesy, University College London
- *Dr. Tom Willems*, Senior Consultant, CGI / EC DG DEFIS
- *Prof. Dr. Philipp Berglez*, Head of Institute of Geodesy, Graz University of Technology

- Key tracks:**
- **GNSS & PNT Services**
 - **Resilience & Robustness**
 - **Multi-Sensor & AI-enhanced Navigation**
 - **Application Areas**
 - **Future Trends**



PROGRAMME

TUESDAY 28 APRIL, 2026

09.00 Registration

10.00 PLENARY - WELCOME TO VIENNA

PLENARY ROOM

Prof. Dr. Robert Weber, President, Österreichischer Verein für Navigation (OVN)
Dr. Nina Magnet, Vice President, Österreichischer Verein für Navigation (OVN)

10.05 Welcome by EUGIN - *Prof. Terry Moore OBE, Chair, European Group of Institutes of Navigation (EUGIN)*

10.10 Welcome by the Austrian Federal Ministry for Innovation, Mobility and Infrastructure - *Henriette Spyra, Director General, Austrian Federal Ministry for Innovation, Mobility and Infrastructure*

10.20 A European vision for resilient and accurate PNT - *Dr. Ignacio Fernandez-Hernandez, Galileo High Accuracy and Authentication Manager, European Commission*

10.40 Towards Multilayer Resilient PNT - *Francisco-Javier Benedicto Ruiz, Director of Navigation, ESA*

11.00

Morning Break

11.30 PLENARY - OPENING

PLENARY ROOM

11.30 The Galileo Service Operator's Perspective towards Future Nav - *Marco Folino, Managing director and CEO, Spaceopal*

11.45 Market Development and Innovation (EUSPA activities, opportunities for industry) - *Giovanni Lucchi, MKD Officer, EUSPA*

12.05 Multi-layered, multi-technology PNT - *Prof. Heidi Kuusniemi, Professor of Wireless Systems, Tampere University, Finland*

12.30

Lunch Break

Sponsored by the Federal Ministry of Innovation, Mobility and Infrastructure

14.00 - 15.40 SESSION 1

Room	1.32	PLENARY ROOM	1.14	N2	1.34
Session	S1.1 GNSS Signal Processing	S2.1 Interference Detection & Localization (I)	S3.1 GNSS / INS Sensor Fusion & Filtering	S4.1 Aviation Applications	S5.1 Space Applications
Chairs	<i>Ciro Gioia & Chris Bartone</i>	<i>Friedrich Teichmann & Terry Moore</i>	<i>Alain Geiger & Witold Rohm</i>	<i>Heiko Engwerda & Thomas Pany</i>	<i>Sunil Bisnath & Marek Ziebart</i>
14.00	Synthetic Meta-signals with Parity Constraints <i>Kinga Węzka</i> Msc Eng. Warsaw University of Technology, Faculty Geodesy and Cartography Poland	Statistical and Machine Learning Approaches for Robust GNSS RFI Detection <i>Dr. Mohammed Ouassou</i> Research GNSS Analyst Norwegian Mapping Authority (NMA) Norway	Invariant filtering for INS/GNSS in automotive applications with extensive experimental evaluation <i>Dr. Mehran Khaghani</i> Principal Research Engineer U-blox Switzerland	In-Flight Performance and Integrity Monitoring of PPP with Galileo HAS Corrections <i>Sophie Fischer</i> Research Assistant Zurich University of Applied Sciences Switzerland	LEO PNT ASIC as a complement to GNSS receivers and embedded systems <i>Jeremy Sommer</i> Associate Director, PNT Partner Integrations Iridium United States
14.20	Closed-Form Modeling of Correlation and Ambiguity Functions for GNSS Meta-Signals <i>Dr. Paul Thevenon</i> Researcher-lecturer, ENAC France	GNSS Interference Localization System Evaluation using ADS-B as Signal-of-Opportunity <i>Simon Kocher</i> Research Associate Fraunhofer Institute for Integrated Circuits IIS Germany	Improving Satellite Navigation in Urban Environments Using Sensor Fusion <i>Valentin Fischer</i> Research Assistant Zurich University of Applied Sciences Switzerland	Flight Test Validation of Barometer-Free Terrain-Aided Navigation for Air Vehicles <i>Milos Vesely</i> Advanced R&D Engr/Scientist Honeywell International s.r.o. Czech Republic	Disturbances in GNSS Reception and the Operational Impact on the OPS-SAT PRETTY Spacecraft <i>Maximilian Henkel</i> Project Senior Scientist Graz University of Technology Austria

TUESDAY 28 APRIL, 2026 - SESSION 1 CONTINUED

14.40	<p>Gradient-Based Optimization of Direct Position Estimation with GPS Signals</p> <p>Blake Baker Graduate Research Assistant Auburn University United States</p>	<p>GNSS Interference Detection in Maritime Navigation</p> <p>Andrea Bellés Ferreres Researcher German Aerospace Center (DLR) Germany</p>	<p>Improving Land-Based GNSS Positioning through a Vision-INS-Aided EKF Sensor Fusion Framework</p> <p>Alexander Köll Projekttassistent Tu Graz, Institut für Geodäsie Austria</p>	<p>PPK based INS/GNSS Tightly Coupled Fusion for Low Altitude UAV Flights in River Environments</p> <p>Artur C. Fabricio PhD Student Technical University of Denmark, DTU Space Denmark</p>	<p>Collaborative exploration of planetary analog terrain with rovers and stationary sensors</p> <p>Johannes Frithjof Koch Research Associate German Aerospace Center (DLR) Germany</p>
15.00	<p>Low-Complexity EML-based Direct Position Estimation Implementation</p> <p>Dr. Christian Siebert Research Scientist German Aerospace Center (DLR) Germany</p>	<p>GNSS Anomaly Detection on Commercial Receiver's I/Q Baseband Snapshot Data in Jammertest 2025</p> <p>Dr. Muwahida Liaquat Senior Research Scientist Finnish Geospatial Research Institute Finland</p>	<p>Tightly coupled GNSS/INS/vision system for navigation of UGV in urban environments</p> <p>Dr. Daniel Olesen Associate Professor Technical University of Denmark (DTU) Denmark</p>	<p>Assessment of dual-frequency multi-constellation GBAS performance using flight data collected under active ionospheric conditions</p> <p>Maria Caamano Research Engineer German Aerospace Center (DLR) - Germany</p>	<p>Demonstration of a Lunar Surface Station for Augmented PNT within LunaNet</p> <p>Dr. Stefano Garlaschi Radio Navigation Engineer Qascom Srl Italy</p>
15.20	<p>An Experimental Evaluation of OCXO Frequency Stability under LEO-Like Temperature Variations</p> <p>Zihong Zhou PhD Candidate The Hong Kong Polytechnic University Hong Kong</p>	<p>Field trial of a smartphone-based system for crowdsourced monitoring of GNSS interference</p> <p>Dimitar Ferdinandov Scientific Trainee European Commission, Joint Research Centre Bulgaria</p>	<p>An Adaptive UKF Sensor Fusion Approach for Robust Autonomous Vehicle Navigation in GNSS-Challenged Environments</p> <p>Dr. Rajesh Tiwari Principal Scientist QinetiQ United Kingdom</p>	<p>Preliminary Design of the Doppler compensation function for a GNSS-based SSA Active Beacon system</p> <p>Alessandro Ferrario Scientific Officer Joint Research Centre Italy</p>	<p>Optical and microwave clocks for space applications</p> <p>Prof. Dr. Carsten Klempt Head of department Deutsches Zentrum für Luft- und Raumfahrt Germany</p>

15.40 Afternoon break

16.10 - 17.30 SESSION 2

Room	1.32	PLENARY ROOM	1.14	N2	1.34
Session	S1.2 Precise Point Positioning	S2.2 Interference Detection & Localization (II)	S3.2 Sensor Networks & Cooperative Navigation	S4.2 Maritime Applications (I)	S5.2 Signals, antennas and clocks
Chairs	Tomasz Hadaś & Robert Weber	Terry Moore & Friedrich Teichmann	Witold Rohm & Alain Geiger	Bob Hogervorst & Martin Bransby	Marek Ziebart & Sunil Bisnath
16.10	<p>Does GNSS correction quality information matter for ambiguity-resolved positioning performance? A real-time PPP-AR scenario</p> <p>Dr. Dimitrios Psychas Radio Navigation Systems Engineer, ESA The Netherlands</p>	<p>A Low-Cost TDOA Sensor Network for GNSS RFI Detection and Localization Using Geographical Constraints</p> <p>Hamid Kavousi Ghafi Signal Processing Engineer Joanneum Research Group Austria</p>	<p>Correlation-Aware Decentralized Swarm Navigation of sUAS using Factor Graphs</p> <p>Mats Martens Scientific Assistant Technische Universität Berlin Germany</p>	<p>PPP-RTK Positioning Accuracy for Maritime Single-frequency Users</p> <p>Dr. Seonghyeon Yun Researcher Maritime PNT Research Office South Korea</p>	<p>Novel hybrid positioning terminal combining GNSS, LEO-PNT, 5G and LEO-SOP signals</p> <p>Marcelo Meneses GNSS Engineer GMV Aerospace and Defence S.a.u Spain</p>

TUESDAY 28 APRIL, 2026 - SESSION 2 CONTINUED

<p>16.30</p>	<p>Analysis of Different Ambiguity Validation Approaches for Kinematic PPP-AR using IGS Real-Time Services</p> <p>Gabriele Portelli PhD Candidate Parthenope University of Naples Italy</p>	<p>Multi-Modal GNSS-AIS Fusion for Detecting Jamming and Spoofing on Uncrewed Surface Vessels</p> <p>Thao Vo Project Engineer Turku University of Applied Sciences Finland</p>	<p>Collaborative Human-Machine Teaming for Improved Indoor Localization</p> <p>Markus Watzko University Assistant Technische Universität Graz/ Institut für Geodäsie Austria</p>	<p>Performance Evaluation of a Regional GPS+Galileo PPP-RTK Service for Cosatal Maritime Navigation in Korea</p> <p>Jaeyoung Song Researcher Korea Research Institute of Ships and Ocean Engineering South Korea</p>	<p>Dual-Frequency, Dual-Polarization, Multibeam Lens Antenna for GNSS Applications</p> <p>Dr. Simon Philipp Hehenberger Senior Researcher German Aerospace Center Germany</p>
<p>16.50</p>	<p>A Smartphone Application for Precise Point Positioning and Geo Data Management</p> <p>Dr. Marcus Franz Wareyka-Glaner University Assistant TU Wien Austria</p>	<p>AI-Enhanced Spaceborne Monitoring of GNSS Jamming and Spoofing Using the INDALOS Payload</p> <p>Dr. Yasamin Keshmiri System Engineer IGASPIN GmbH Austria</p>	<p>Cooperative UAV Positioning in GNSS-Degraded Environments Using Frequency-Hopped UWB Networks</p> <p>Abhay Joshi Member of the Scientific Staff German Aerospace Center (DLR) Germany</p>	<p>Preliminary Safety Case of Automated Navigation in Inland Waterways using EGNSS and Copernicus services.</p> <p>Fulgencio Buendia Technical Leader GMV Spain</p>	<p>Deploying a space based quantum secure time synchronisation architecture</p> <p>Dr. Carlo Page Chief Quantum Scientist Xairos United Kingdom</p>
<p>17.10</p>	<p>Multi-GNSS clock combination for Precise Point Positioning with a focus on clock alignment strategy</p> <p>Jakub Bialas MSc Wrocław University of Environmental and Life Sciences Poland</p>	<p>GNSS spoofing-like emitter signal generation for validation of space-based GNSS RFI monitoring algorithms</p> <p>Nikolas Dütsch Research Associate Bundeswehr University Munich Germany</p>	<p>Centralized Cooperative Indoor Localization for First Responders Using Foot-Mounted IMUs and Inter-Agent UWB Ranging</p> <p>Dr. Christian Gentner Department Head German Aerospace Center (DLR) Germany</p>	<p>Resilient & Autonomous Positioning for safer, eco-sustainable and cross-domain synergies for Rail and Maritime applications</p> <p>Valeria Ioannucci Junior Researcher & PhD Student Radiolabs / University of L'Aquila Italy</p>	<p>ESA's Contribution to the Global Geodesy Supply Chain forming the Fundamentals of Navigation</p> <p>Dr. Frank Zimmermann Navigation Engineer ESA/ESOC Germany</p>

17.30

17.30 - 18.30
Poster Session
FOYER

17.30 - 18.30
GNSS Spoofing live demonstration
ROOM 1.14

18.00 - 19.30
Welcome Reception
FOYER



WEDNESDAY 29 APRIL, 2026

09.00	PLENARY WEDNESDAY	PLENARY ROOM
09.00	Welcome by UNOOSA - Aarti Holla-Maini , Director, United Nations Office for Outer Space Affairs (UNOOSA)	
09.05	International Committee on Global Navigation Satellite Systems: Recent Developments - Sharafat Gadimova , Executive Secretariat, International Committee on Global Navigation Satellite Systems (ICG), UNOOSA	
09.20	Keynote by Prof. Deeph Chana , Professor, Imperial Business School, Imperial College London	
09.35	Austria's GNSS Ecosystem: Key Actors and FFG-Supported Innovation - Dr. Matthias Schreitl , Satellite Navigation Expert, Austrian Research Promotion Agency	

10.00 - 11.00 SESSION 3

Room	1.32	PLENARY ROOM	1.14	N2	1.34
Session	S1.3 Galileo High Accuracy Service	S3.3 eLoran (10.00 - 11.20)	S2.3 Jamming Signal Structure	S4.3 Maritime Applications (II)	S5.3 Trends in Navigation Technology & System Design
Chairs	Salvatore Gaglione & Tomasz Hadaś	Rajesh Tiwari & Mark Brammer	Ramsey Faragher & Gregor Möller	Martin Bransby & Bob Hogervorst	Dimitrios Psychas & John Pottle
10.00	Galileo High Accuracy Service Three-Year Assessment of Accuracy and Availability Dr. Octavian Andrei Principal Consultant CGI Nederland BV The Netherlands	State of the art eLoran technologies for GNSS complementary terrestrial PNT Chris Hargreaves R&D Engineer GRAD United Kingdom	Hardware in the Loop Radio Frequency Interference Vulnerability Testing with New and Evolving Jamming Signals Dr. Aiden Morrison Senior Researcher SINTEF AS Norway	Why the Collision Regulations are Challenging for Marine Autonomous Systems reliant on Space Based PNT Thomas Howe Senior Principal Navigation and Seamanship, Bmt United Kingdom	A Configurable NTN Simulator for PNT Performance Analysis Andres Maria Majorana PhD Researcher IDLab (UAntwerp - imec) Belgium
10.15		Design and performance evaluation of modern eLoran receivers for terrestrial PNT	Impact of Different Jammer Types on the Performance of a Multi-Receiver Vector Tracking Algorithm Stefan Laller University assistant Graz University of Technology - Institute of Geodesy Austria	Beyond Onboard Sensors: Leveraging Shore-Based Sensor Systems for Safe Maritime Automation in Complex Environments Christian Steger Research Associate German Aerospace Center (DLR) Germany	Processing Algorithms for Kepler Satellites Prof. Dr. Christoph Günther Scientist Technical University Munich (TUM) + Conavco Germany
10.20	Assessing Galileo High Accuracy Service for Robust PPP and PPP/INS Kinematic Positioning in Challenging Environments Fotis Ntagiantas PhD Candidate National Technical University of Athens Greece	ASF-enhanced eLoran enabling resilient time dissemination in GNSS-denied environment	GPS/GNSS resilience: enhanced testing features with embedded jamming and spoofing signals in GPS/ GNSS simulators	Magnetic anomaly-based positioning using Gaussian Process Regression for uncertainty-aware maritime navigation Prof. Ivan Petrunin Professor of Signal Processing and Intelligent Systems Cranfield University United Kingdom	In-orbit demonstration of optical links for highly accurate time synchronization and ranging: the OpSTAR mission Dr. Gabriele Giorgi Lead Engineer German Aerospace Center - DLR Germany
10.30		Advances in eLoran to 2026 supporting resilient national PNT infrastructure Erik Johannessen Chief Business Development Officer Ursanav, Llc United States	Dr. Günter Heinrichs EMEA Business Development Manager Spirent Communications Germany		
10.40	Evaluation of Galileo HAS PPP Corrections in Moldova, Romania: Convergence Times and Positioning Accuracy Dr. Maximilian Diac Lecturer Technical University Gheorghe Asachi of Iasi Romania	Alternative eLoran pulse shaping for skywave mitigations Prof. Euiho Kim Associate Professor Hongik University South Korea			
10.45					
11.00					

WEDNESDAY 29 APRIL, 2026 - CONTINUED

11.00

Morning break

11.30 - 12.30 SESSION 4

Room	1.32	PLENARY ROOM	1.14	N2	1.34
Session	S1.4 New Galileo Services	S2.4 Event & Impact Analysis	S3.4 AI-enhanced Navigation (I)	S4.4 Massmarket Applications	S5.4 Frontiers of Radio-navigation: Signals of Opportunity, 5G & beyond (I)
Chairs	Robert Weber & Salvatore Gaglione	Ignacio Fernandez-Hernandez & María Caamaño Albuérne	Thomas Hobiger & Randa Natraš	Thomas Pany & Susanne Katzler-Fuchs	John Pottle & Dimitrios Psychas
11.30	Galileo Quasi-Pilot Signals: Operational Deployment on First Generation Satellites and Outlook to Galileo Second Generation Dr. Guylian Molineaux Navigation Signal End-to-End Engineer European Space Agency - ESA The Netherlands	Feared Event Characterisation and User Evaluation for Galileo and GPS in ARAIM Alexandre Ramos Ingénieur Systèmes de Navigation CNES France	Scaling KalmanNet for a GNSS Composite Clock Dr. Alexander Mudrak Engineer European Space Agency Italy	Characterising dual-frequency mass-market GNSS performance in covered agricultural polytunnels Alex Schofield PhD Researcher Wmg, University of Warwick United Kingdom	Scaling Beyond Mega-constellations: Real-Time Ephemeris Propagation Using Low-Cost GPU-CPU Pipeline for Non-Cooperative LEO SoOP Navigation Dr. Ahmad Esmailkhalh Research Associate Fellow École de Technologie Supérieure ÉTS Canada
11.50	Galileo SAS Receiver Processing Modes Dr. Cillian O'Driscoll Director Cillian O'Driscoll Consulting Ltd Ireland	Relative spoofing: Assessing the threat of manipulated RTCM data to autonomous systems Søren Reime Larsen Postdoc Technical University of Denmark Denmark	Deep Learning-Based Tropospheric Delay Prediction for Enhanced Precise Point Positioning Dr. Saeid Haji-Aghajany Assistant Professor Wroclaw University of Environmental and Life Sciences Poland	GRIPP 2026: an update on the Open-Source and Portable SDR Oriented GNSS/SBAS Receiver Gaëtan Fayon Galileo System Engineer European Space Agency The Netherlands	Non-Cooperative Low Earth Orbit Signals of Opportunity in Skydel: Signal Generation and Navigation Performance Validation Dr. Ahmad Esmailkhalh Research Associate Fellow École de Technologie Supérieure ÉTS Canada
12.10	Ionospheric data blocks for Galileo HAS Phase 2 including TEC map compression Dr. Tom Willems Senior Consultant CGI / EC DG DEFIS Belgium	Impacts of GNSS Interference on the Maritime Sector Dr. Ramsey Faragher CEO Royal Institute of Navigation United Kingdom	Opportunities of Self-Supervised Learning for GNSS: Evaluation of a Deep Learning Enhanced PVT Algorithm Thomas Barbero R&D Engineer ABBIA GNSS Technologies France	Quasi-Pilot Signals on Galileo First Generation Satellites Dr. Ciro Gioia Project Officer European Commission, Joint Research Centre Italy	Spaceborne GNSS-Receiver as Enabling Technology for Critical Infrastructure Satellite Payloads Dr. Manfred Sust Advanced Technologies Manager Beyond Gravity Austria GmbH Austria

12.30

Lunch

WEDNESDAY 29 APRIL, 2026 - CONTINUED

14.00 - 15.40 SESSION 5

Room	1.32	PLENARY ROOM	1.14	N2	1.34
Session	S1.5 Ionospheric Monitoring and Mitigation	S2.5 Interference-Resilient Receiver & Antenna Technology (I)	S3.5 AI-enhanced Navigation (II)	S4.5 Railway Applications (I)	S5.5 Frontiers of Radio-navigation: Signals of Opportunity, 5G & beyond (II)
Chairs	<i>Salvatore Gaglione & Tom Willems</i>	<i>Cillian O'Driscoll & Aiden Morrison</i>	<i>Randa Natraš & Thomas Hobiger</i>	<i>Anja Grosch & Jelena Gabela Majic</i>	<i>Fabio Principe & Peter Buist</i>
14.00	Characterisation of High-Latitude GNSS Scintillation During a Moderate Geomagnetic Storm on 15 September 2025 <i>Dr. Rajesh Tiwari</i> Principal Scientist QinetiQ United Kingdom	Distortion-aware STAP adaptive beamforming for robust GNSS anti-jamming in high-dynamics environments <i>Elise Lagarde</i> PhD researcher Arkane France	Optimizing Machine Learning positioning information from smartphone GNSS features <i>Prof. Dr. Sunil Bisnath</i> Professor York University Canada	A novel platform based on Augmented Reality & On-Field Testing for Validating Train Positioning Systems <i>Alessia Vennarini</i> Satellite Navigation Systems Engineer Consorzio Radiolabs Italy	Real-Time Tracking of Starlink OFDM Signals on Eight Channels with two USRPs on a PC <i>Prof. Thomas Pany</i> Professor University of The Bundeswehr Munich Germany
14.20	Modeling Scintillation Impact on Carrier-Smoothed Code Measurements for Aviation Navigation <i>Dr. Weilin Gong</i> PhD Student Beihang University China	High-precision positioning with interference-resilient GNSS array receivers at Jammertest 2025 <i>Tobias Bamberg</i> Research Associate German Aerospace Center (DLR) Germany	Machine Learning based Sensor Fusion and State Estimation for Autonomous Vehicle in GNSS-Denied Environments <i>Paola Patricia Chicaiza Moroch</i> PhD Student PEMC Research Institute, University of Nottingham United Kingdom	A Validation Methodology for Railway GNSS Errors Using 3D Modelling and Ray-Tracing <i>Timothee Guillemaile</i> Research Engineer Université Gustave Eiffel France	Blind Estimation of Satellite Signals of Opportunity for PNT <i>Elliot Capell</i> GMV United Kingdom Satellite Navigation Engineer
14.40	Potential applications of the Gradient Ionospheric Index in precise GNSS positioning <i>Dr. Grzegorz Nykiel</i> Associate Researcher German Aerospace Center (DLR) Germany	Ground-to-Air L-Band Two-Way Timing and Ranging for Resilient Aircraft Navigation <i>Gianluca Zampieri</i> Researcher German Aerospace Center (DLR) Germany	IMU Augmentation using Deep Learning <i>Freddy Saunders</i> Senior Consultant Plextek Services Ltd United Kingdom	A Robust Map-Aided Probabilistic Particle Filtering Framework for GNSS-Based Railway Localization. <i>Quentin Mayolle</i> Research Engineer Rallenium France	Design and Performance Evaluation of an Interoperable Navigation Layer for K-band Fused PNT Augmentation <i>Alejandro Gonzalez Garrido</i> Project Officer European Commission. Joint Research Center Italy
15.00	Temporal Modulation and Cross-Modal Fusion for Enhanced Amplitude Scintillation Forecasting in the Equatorial Ionization Anomaly <i>Jingru Ma</i> Student Beihang University China	Impact of L12 and L13 Galileo satellites on time to first fix robustness <i>Dr. Carlos Hernando-Ramiro</i> R&D Engineer INTA (Spanish National Institute Aerospace Technology) Spain	Improving navigation robustness in urban environments via adaptive machine learning-based error mitigation <i>Andrea Maffia</i> PhD Student University of Genova Italy	Headway clearance estimation for railway operations using non-cooperative GNSS satellite signals and cooperating receivers <i>Enki Saura</i> PhD Student IKOS Consulting France	Development of a GNSS-Synchronized Compact OFDM 5G Pseudolite System <i>Muhammad Subhan Hameed</i> Research Associate Universität der Bundeswehr München Germany

WEDNESDAY 29 APRIL, 2026 - SESSION 5 CONTINUED

15.20	Galileo ionospheric model NTCM G - Performance monitoring results Hubert Pierzchała <i>Researcher Space Research Center of the Polish Academy of Sciences Poland</i>	Adapting a GNSS-SDR Software Receiver for Mars PNT Using Simulated GPS-Like Signals Mr. Ivan Acosta Bayona <i>Product Line Manager Spirent Spain</i>	Deep learning-aided pedestrian inertial navigation for the great outdoors Tijs Rozenbroek <i>Scientist Innovator TNO The Netherlands</i>	Offline Positioning with Onboard Sensor Data for Maintenance Use Cases in European Urban Railway Networks Dr. Judith Heusel <i>Researcher German Aerospace Center (DLR) Germany</i>	Snapshot TOA Estimation for 5G NTN Using DMRS-Based Doppler Removal and PRS Phase-Slope Refinement Prof. Ivan Petrunin <i>Professor of Signal Processing and Intelligent Systems Cranfield University United Kingdom</i>
--------------	---	---	---	--	---

15.40 Afternoon Break

16.10 - 17.50 Session 6					
Room	1.32	PLENARY ROOM	1.14	N2	1.34
Session	S1.6 Algorithms and Methods (I)	S2.6 Interference-Resilient Receiver & Antenna Technology (II)	S3.6 Quantum & Alternative Technology for Positioning & Timing (I)	S4.6 Railway Applications (II)	S5.6 LEO PNT (I)
Chairs	Chris Bartone & Janusz Uriasz	Aiden Morrison & Cillian O'Driscoll	Alison Brown & Milos Vesely	Juliette Marais & Judith Heusel	John Pottle & Rajesh Tiwari
16.10	Kriging-based interpolation of zenith wet delay from dense low-cost GNSS observations Milad Bagheri <i>PhD Candidate Politecnico di Torino, DIATI Italy</i>	Dual Frequency Dual Constellation Resilient GNSS Data Collection Prototype Enric Obiols Bernaus <i>Technical Manager INDRA Espacio S.L.U Spain</i>	Dynamical tests in operational conditions for Celestial Navigation in GNSS denied environment Guillaume Pascal <i>System & Algorithm Engineer Sodern France</i>	Ambiguity Fixing for Forward-Backward Smoothing RTK/INS for Railway Ground Truth Anja Grosch <i>Senior Researcher German Aerospace Center (DLR) Germany</i>	Impact on the Bias Propagation in the Integrity Monitoring of Filter-Based LEO Satellite Clock Determination Prof. Meifang Wu <i>National Time Service Center, Chinese Academy of Sciences China</i>
16.30	Fast GNSS Sky Obstruction Analysis with Skyline Similarity and Template Reuse Jiahuan Zhang <i>Research Postgraduate (PhD) Imperial College London United Kingdom</i>	YOLO-Based Multiple Drones Classification with MUSIC DoA Localization System Hung Yu Lin <i>Graduate Student National Cheng Kung University Taiwan</i>	Physics-Informed Inertial Dead Reckoning for Mobile Robots Dr. Arup Kumar Sahoo <i>Postdoctoral Fellow University of Haifa Israel</i>	Investigation on safe-deviations from SBAS-Standards for Railway applications: preliminary performance assessment through a GNSS-SDR receiver Dr. Fabio Fabozzi <i>R&D GNSS Engineer Airbus Defence and Space France</i>	Performance Analysis of Xona Pulsar-0: Initial Ranging Results Dr. Sibren De Bast <i>Dsp Engineer Septentrio NV Belgium</i>
16.50	Urban GNSS Multipath Mitigation by Integrating Ray Tracing and PPP Saqib Mehdi <i>PhD Student Wroclaw University of Environmental and Life Sciences Poland</i>	Dual-Polarization Techniques for resilient GNSS Applications Dr. Fabio Principe <i>Radio Navigation Engineer ESA/ESTEC The Netherlands</i>	Polarised-Light-Aided Rao-Blackwellised Particle Filtering for Online Magnetometer Calibration Daniel Chadwick <i>PhD Candidate University of Liverpool United Kingdom</i>	Localization software for digital railway applications Dr. Michael Roth <i>Researcher German Aerospace Center Germany</i>	Receiver Configuration for LEO PNT in the KU/KA band Dr. Sebastien Roche <i>GNSS Signal Processing Thales Alenia Space France</i>

WEDNESDAY 29 APRIL, 2026 - SESSION 6 CONTINUED

<p>17.10 Optimize medium-frequency antennas for phaseestimation of aiding carriers</p> <p>Dr. Stefan Gewies Working Group Leader / Project Manager German Aerospace Center (DLR) Germany</p>	<p>Resilience of Galileo GNSS Under Spoofing Threats: From NMA to Advanced Countermeasures</p> <p>Francisco Gallardo López GNSS Engineer DIE GfR Germany</p>	<p>Energy-Shaping and Contraction for Inertial Navigation: A Distributed Port-Hamiltonian Observer Approach</p> <p>Dr. Babak Salamat Technologiefeldleiter Tz Technische Hochschule Ingolstadt Germany</p>	<p>A Ground Truth Generation Algorithm for Advanced Safe Train Positioning</p> <p>Dr. Andreas Wenz Project Manager Localisation Swiss Federal Railways (SBB) Switzerland</p>	<p>Machine Learning based Denoising of Starlink Signals for Opportunistic Navigation</p> <p>Soujanya Syamal PhD Researcher Cranfield University United Kingdom</p>
<p>17.30 Analysis of Storm-Related GNSS-SNR Variability Using GPS and BeiDou Observations: High-Rate versus Standard Sampling Data</p> <p>Mohamed Ashraf Mohamed Abdelhamid PhD Student AGH University of Krakow Poland</p>	<p>RIPTIDE: Demonstrating Resilient PNT in the Black Sea</p> <p>Vladimir Kosjer Radionavigation Engineer GMV Innovating Solutions S.r.l. Romania</p>	<p>Practical Evaluation of Quantum-Assisted Multi-Source Timing for Mobile Applications</p> <p>Dr. Ivan Petrunin Professor of Signal Processing and Intelligent Systems Cranfield University United Kingdom</p>	<p>Towards greater Resilience and Accuracy in Safe Train Localisation with Galileo HAS and OSNMA</p> <p>Dr. Stefan Baumann Program Manager IABG Germany</p>	<p>Precise Clock Steering for LEO-PNT: Comparative Study of GNSS-Based Clock Steering Methods</p> <p>Angelika Kochajkiewicz ESA Graduate Trainee European Space Agency The Netherlands</p>

19.00 - 23.00 Networking Dinner
LOCATION: Luftburg Kolarik in Prater, Prater 128, 1020 Vienna
 Sponsored by the Federal Ministry of Innovation, Mobility and Infrastructure



THURSDAY 30 APRIL, 2026

09.00 PLENARY THURSDAY

PLENARY ROOM

Panel: PNT Resilience and Assurance through Protect, Toughen and Augment initiatives

Moderator: **Rafael Lucas Rodriguez**, Head of the NAVISP, ESA

- **Dr. Mark Brammer**, Positioning Lead, UK National PNT Office
- **Dr. Susanne Katzler-Fuchs**, CEO, Brimatech GmbH, OVN Board Member
- **Tomas Hrozensky**, European Engagement Lead, European Space Policy Institute (ESPI)
- **Dr. Ignacio Fernandez-Hernandez**, Galileo High Accuracy and Authentication Manager, EC DEFIS

10.00 - 11.20 SESSION 7

Room	1.32	PLENARY ROOM	1.14	N2	1.34
Session	S1.7 Algorithms and Methods (II)	S2.7 Integrity Monitoring & Authentication	S3.7 EGENIOUSS: Multi-sensor navigation for low-cost devices	S4.7 PNT in Urban Environments (I)	S5.7 LEO PNT (II)
Chairs	Thomas Janssen & Ciro Gioia	María Caamaño Albuerno & Ignacio Fernandez-Hernandez	Phillipp Fanta-Jende & Markus Gerke	Charles Toth & Ivan Petrunin	Fabio Principe & Rajesh Tiwari
10.00	<p>Compensation of MF R-Mode signal instability with the usage of differential corrections</p> <p>Filippo Giacomo Rizzi R&D Engineer DLR - German Aerospace Center Germany</p>	<p>Integrity monitoring and built-in test functions for a LEO-PNT signal generator engineering model</p> <p>Fulgencio Santiago Buendia Engineer GMV Aerospace and Defence S.a.u Spain</p>	<p>EGENIOUSS: An End-To-End Multi-Sensor Navigation Framework for Complex Urban Environments</p> <p>Alexander Kern Research Assistant Tu Braunschweig Germany</p>	<p>Indoor Localization Using Dual-Band Wi-Fi Radio Maps Generated from Foot-Mounted Inertial Trajectories</p> <p>Philipp Hager Member of Scientific Staff German Aerospace Center (DLR) Germany</p>	<p>LEO-PNT Real Time On Board ODTs Performance of LEO Navigation Messages and GST Clock Steering</p> <p>Marco Laurenti Navigation Engineer Thales Alenia Space France</p>
10.20	<p>High-Accuracy LEO On-Board POD: A Comparative Study of Two Real-Time Architectures</p> <p>Sergio Camargo Navajas GNSS Engineer GMV Aerospace and Defence S.a.u Spain</p>	<p>Integrity monitoring through uncertainty modelling and fault detection in visual SLAM-based navigation</p> <p>Sam Bekkers R&D Engineer Alternative Navigation Netherlands Aerospace Center The Netherlands</p>	<p>Visual Localisation as Building Block for Resilient Multi-Sensor Navigation Using Aerial, Terrestrial and Hybrid Meshes</p> <p>Francesco Vultaggio PhD Candidate Austrian Institute of Technology Austria</p>	<p>Indoor Position Fixing Based on Fiducial Marker Detection in Low-Cost 360° LiDAR Data</p> <p>Fabian Theurl University Research Assistant Graz University of Technology, Institute of Geodesy Austria</p>	<p>Performance analysis of LEO-PNT satellite corrections computed via regional networks</p> <p>Dr. Lotfi Massarweh Assistant Professor Delft University of Technology The Netherlands</p>
10.40	<p>GNSS Time Difference Carrier Phase Measurement Residual Investigation</p> <p>Shang-Ping Weng Student Ecole Nationale de l'Aviation Civile France</p>	<p>A Secure PNT Framework: OSNMA & Ranging Authentication with multi-layer Cross-Checks for Robustness against Spoofing</p> <p>Guillermo Ortas GNSS Engineer GMV Spain</p>	<p>Aiding HAS with inertial and visual measurements for navigation on low-cost devices</p> <p>Dr. Marta Blazquez CTO Geonumerics SI Spain</p>	<p>Joint Synchronization and SS-TWR Multilateration for Dynamic Anchor Deployment in UWB Positioning Network</p> <p>Dr. Josef Kraska Researcher Czech Technical University in Prague, Faculty of Electrical Engineering Czech Republic</p>	<p>All Systems Go: Pulsar-0</p> <p>Matteo Gala GNSS Engineer Xona Space Systems United Kingdom</p>

THURSDAY 30 APRIL, 2026 - SESSION 7 CONTINUED

11.00	Methodology to Assess OSNMA Performance in Urban Environment across Different Receiver Technologies Alex Galan PhD Student Ku Leuven Belgium	Field Testing Galileo SAS with the Nautilus Authentication Platform Dr. Cillian O'Driscoll Director Cillian O'Driscoll Consulting Ltd Ireland	Accurate UAV Positioning in Urban Environments with Degraded or Denied GNSS using EGENIOUSS Joan Altimira Marfà Uav R&D and Prototyping Engineer Catuvav Spain	Cross-view urban positioning using angular semantic constraints and 2D vector maps Harrison Reeves PhD Student UCL United Kingdom	From research to orbit: HAUT-S – a space-qualified solution for real-time onboard ODS Pedro Pintor GNSS Engineer Spaceopal GmbH Germany
--------------	---	--	---	--	--

11.20 Morning Break

11.50 - 12.50 SESSION 8

Room	1.32	PLENARY ROOM	1.14	N2	SESSION 9
Session	S1.8 Factor Graph-based Algorithms	S2.8 LEO / SATCOM-Based PNT	S3.8 Mapping & Geospatial Referencing	S4.8 PNT in Urban Environments (II)	S4.9 PNT Applications
Chairs	Dimitrios Psychas & Janusz Uriasz	Angelika Kochajkiewicz & Lotfi Massarweh	Markus Gerke & Phillipp Fanta-Jende	Charles Toth & Ivan Petrunin	Susanne Katzler-Fuchs & Pieter Bastiaan Ober
11.50	Optimized Factor Graph Time Window Length in Constant Constellation Scenario Dr. Paul Thevenon Researcher-lecturer ENAC France	Timing performance of LEO PNT in GNSS degraded environments Charles Meyer Sr Technical Director Iridium United States	Smartphone-Based Decimetre-Level Positioning for Urban Navigation and Surveying: Use-Case-Driven Evaluation within EGENIOUSS Berit Mohr Team Manager - Gis Specialist OPENGIS.ch Switzerland	Barometer-Based Fingerprinting for Underground Positioning in Subway Systems Using Smartphones Aicha Karite PhD Student German Aerospace Center (DLR) Germany	Wave height determination using low-cost inertial sensors Robin Härtl University Project Assistant Graz University of Technology, Institute of Geodesy Austria
12.10	Enhancing Precise Navigation with Factor Graphs for Robust State Estimation Hakan Uyanik R&D Engineer DLR - German Aerospace Center Germany	Challenges, Benefits and Solutions when using LEO SATCOM signals for PNT Dr. Alison Brown President and Ceo PNTaaS LTD United States	Pose Verification Based on Visual Localisation Using CityGML Models within the EGENIOUSS Framework Yasmin Loeper Research Associate Institute of Geodesy and Photogrammetry, Technische Universität Braunschweig Germany	Enhancing Urban GNSS Measurement Accuracy: A Statistical 3D Mapping Aided NLOS Error Correction Framework Yilin Fan PhD Student The Hong Kong Polytechnic University Hong Kong	GNSS Availability and Accuracy in the MODI Corridor Håvard Bakke Engineer Norwegian Mapping Authority Norway
12.30	Factor Graph-Based Online Smoothing for GNSS Positioning: Practical Insights and a Comparison with Filtering Axel Koppert University Assistant Graz University of Technology, Institute of Geodesy Austria	Opportunistic Doppler-based Positioning Using OneWeb Downlink Signals Prof. Ivan Petrunin Professor of Signal Processing and Intelligent Systems Cranfield University United Kingdom	Impact of solid-state FMCW radar processing parameters on 3D point cloud matching Jakub Velich PhD student Czech Technical University in Prague Czech Republic	Exploiting Smart Road RSU Infrastructure in Multibaseline PPP-RTK Positioning Valeria Ioannucci Junior Researcher & PhD Student Radiolabs / University of LAquila Italy	Quality Assessment of Raw GNSS Measurements from Smartwatch Xingyi He PhD Student University of Calgary Germany

THURSDAY 30 APRIL, 2026 - CONTINUED

13.00 CLOSING PLENARY

PLENARY ROOM

- 13.00** Celeste LEO PNT In Orbit Demonstration: objectives and first results
Dr. Florin-Catalin Grec, GNSS Engineer, ESA
- 13.20** Report on conference highlights
Prof. Terry Moore OBE, Chair, European Group of Institutes of Navigation (EUGIN)
- 13.30** ENC 2026 Best Presentation & Poster Award Ceremony
- 13.40** Future Navigation Conferences
- ENC 2027
 - IAIN World Congress 2027
- 13.50** Presentation of ESA's Young Navigation community
- 13.55** Closing Remarks by OVN & EUGIN
Prof. Dr. Robert Weber, President, Österreichischer Verein für Navigation (OVN)
Prof. Terry Moore OBE, Chair, European Group of Institutes of Navigation (EUGIN)

14.00

End



POSTERS

Tuesday 28 April, 17.30 - 18.30, Poster Session in the FOYERS.

Each poster author will be present at this time to discuss and answer questions.

TITLE	PRESENTING AUTHOR	ORGANIZATION
1 A 3D Helmert similarity-based transformation using dual quaternion formalism between Local and Global geodetic Datums	Dr. Noureddine Kheloufi <i>Senior Researcher</i>	CTS-ASAL Algeria
2 Supercorrelation® for precise GNSS positioning	Javier Garcia <i>Principal GNSS Engineer</i>	Focal Point Positioning United Kingdom
3 Precise Orbit Determination Accuracy AnalysisS for the SVN2-03/04 Satellite	Linda Feng <i>Engineer</i>	China Siwei Surveying and Mapping Technology Co.ltd Beijing, China
4 Verification of the reference frame realized by Galileo HAS	Dr. Kamil Kazmierski <i>Assistant Professor</i>	Wroclaw University of Environmental and Life Sciences, Poland
5 Satellite Signal Subset Optimisation in Enhanced GNSS and Emerging LEO-Based PNT	Dr. Lintong Li <i>Research Associate</i>	Imperial college United Kingdom
6 Small-Delay GNSS Spoofing Mitigation using Learning-based Measurement Uncertainty Prediction	Siqi Wang <i>Student</i>	Beijing Jiaotong University China
7 Activities of the Norwegian Mapping Authority at Jammertest	Anders Martin Solberg <i>Senior Engineer</i>	Norwegian Mapping Authority, Norway
8 Synchronization of multiple array-based SDRs via timestamped injection signal	Dr. Lasse Lehmann <i>Postdoc</i>	Technical University of Denmark, Denmark
9 Bridging Attack-Defense Asymmetry in GNSS: A Legal and Technical Resilience Analysis	Dr. Nayoung Youn <i>Senior Researcher</i>	KARI (Korea Aerospace Research Institute), South Korea
10 Analysis of Spaceborne GPS Receiver Performance Degradation under Regional Jamming	Eun-hyueok Kim <i>Principal Researcher</i>	Satrec Initiative South Korea
11 GNSS interference testing in an operational digital substation	Thomas Rødningen <i>Engineer</i>	Norwegian Metrology Service Norway

ID	TITLE	PRESENTING AUTHOR	ORGANIZATION
12	Autonomous Wildland Fire Monitoring: Enhancing UAS Navigation and Wildfire Management through Image-Based Navigation and Mapping	Charles Toth <i>Research Professor</i>	Ohio State University United States
13	AI-Supported Feedback for Personalised Maritime Training	Furkan Tornaci <i>Researcher</i>	University of Strathclyde United Kingdom
14	FlowVoT: Monocular Visual Odometry with GMFlow-Guided Optical Flow and a Lightweight Transformer	Issayas Tekeste Mirach <i>PhD Student</i>	University of Trento Italy
15	Benchmark of RNN models for process noise covariance matrix prediction on a semi-synthetic GNSS dataset	Léa Dubreil <i>PhD Student</i>	ISAE-SUPAERO / TêSA France
16	Agile navigation solutions with INSTINCT	Prof. Dr. Thomas Hobiger <i>Professor</i>	Institute of Navigation, University of Stuttgart Germany
17	GNSS and Artificial Intelligence to Strengthen Local Governance and Support Sustainable Development of Communities	M. Adele Ntumba <i>Coordonnatrice</i>	Verts Pâturages Congo (the Democratic Republic of the)
18	Development of a specialized coding assistant for GNSS simulation using innovative retrieval-augmented generation	Yvan Mezeceuv <i>GNSS Engineer</i>	Safran Electronics & Defense France
19	PDOP-Guided Distributed Optimization for Cooperative Multi-UAV Localization under Degraded GNSS	Amin Razzaghi <i>Researcher</i>	Direk Ltd United Kingdom
20	Next-Generation Robust Navigation for UAVs	Pavel Bartos <i>Navigation Analyst</i>	Honeywell Aerospace Czech Republic
21	An FGO-based Federated Multi Sensor Navigation System for Automotive Applications	Chandni Saha <i>Research Assistant in Positioning and Sensor Fusion</i>	Cranfield University United Kingdom
22	Ultra-Wideband Data-Driven Surveying: Quantitative Evaluation and Commercial Potential in Precision Forestry	Dr. Liu Zuoya <i>Senior Research Scientist</i>	Finnish Geospatial Research Institute (FGI) Finland
23	Bridging the gap between field capture and lab simulation for ultra-realism in PNT testing	Stuart Smith <i>Senior Solutions Manager</i>	Spirent-Keysight United Kingdom
24	A map-matching system using smartwatch-based PDR constraints for pedestrian path tracking in urban areas	Jae Uk Kwon <i>PhD Candidate</i>	Kyungil University South Korea

ID	TITLE	PRESENTING AUTHOR	ORGANIZATION
25	Performance benefits in a Doppler radar aided integrated navigation system	Pia Hertenstein Engineer Navigation Algorithms and Data Fusion	Northrop Grumman LITEF GmbH Germany
26	Factor Graph Optimization-Based GNSS/INS Integration Enhanced by Signal Quality Monitoring	Hsiang En Chien Student	National Cheng Kung University Taiwan
27	Hybrid Structure-Exploiting and Adaptive LUT Kalman Filter for Robust Embedded GNSS Tracking	Hsin-Cheng Liao Student	National Cheng Kung University Taiwan
28	Feasibility analysis of Ionospheric TEC Monitoring using GNSS receivers on UAVs	Yiqun Zhu Student	Beihang University China
29	Environment-Adaptive Factor Selection for Real-Time Smartphone FGO Using Samsung GNSS Chipset Data	Minseong Kim Master's Student	KAIST South Korea
30	Enhanced Orbit Determination Using Dynamic Model-Assisted Vector Tracking	Zihong Zhou PhD Candidate	The Hong Kong Polytechnic University Hong Kong
31	Fault Handling Strategies in an Operational Composite Clock Algorithm	Andrea Auer Research Assistant	German Aerospace Center (DLR) Germany
32	Implementation of a loosely coupled GNSS/INS integration for the Nuri launch vehicle GNSS receiver	Dr. Yongsul Shin Researcher	Korea Aerospace Research Institute, South Korea
33	An Enhanced Wavelet Neural Network for CSAC Bias Prediction under GNSS-Denied Conditions	Gao Jiaji Student	Beihang University China
34	Comparative Analysis of Stochastic Weighting Models and Multipath Rejection Techniques for EKF-aided GNSS Navigation	Dr. Sebastiano Chiodini Assistant Professor	Università degli Studi di Padova Italy
35	A Local Performance Analysis Technique for Batch-Processing Methods in Terrestrial Navigation	Dr. Okuary Osechas Researcher	ZHAW Switzerland
36	Traditional Computer Vision Approaches for Rotation Axis and Angular Velocity Estimation of Tumbling Spacecraft	Kim Jin-hyung Senior Researcher	Korea Aerospace Research Institute South Korea
37	Rethinking Aerial Navigation: Vision-Driven Human Interaction for UAV Control	Dr. Amin Majd Head of AI	Turku University of Applied Sciences Finland

ID	TITLE	PRESENTING AUTHOR	ORGANIZATION
38	Analysis of Precise Point Positioning (PPP) and Ambiguity Resolution (PPP-AR) Performance for PPP Integrity Framework	Dr. Randa Natraš Scientist	Deutsches Zentrum für Luft- und Raumfahrt (DLR) / German Aerospace Center Germany
39	Stochastic ship routing framework for on-board decision support under weather uncertainty	Dr. Marijana Marjanovic Research Assistant	University of Rijeka, Faculty of Engineering Croatia
40	GNSS-PWV in Tropical and Mid-Latitude: Monitoring Extremes Urban Climate	Dr. Tainá Gouveia Research Manager	UNESP Brazil
41	An Improved Method for Low Earth Orbit Satellite Clock Prediction Based on a Wavelet-LSTM Model	Jinqian Wang Student	National Time Service Center, Chinese Academy of Sciences China
42	Assessing the Impact of Radio Frequency Interference on Low Earth Orbit Satellites Signals	Kenza Ayyada PhD Student	Université Gustave Eiffel France
43	LSTM-Augmented Doppler Residual Prediction for Robust Carrier Tracking of LEO Satellite Signals	Qi Zhang PhD Student	The Hong Kong Polytechnic University Hong Kong
44	Development and Evaluation of a LunaNet AFS Testbed Using Software-Defined Radio	Rion Sobukawa Student	Chubu University Japan
45	Performance Metrics for Doppler-Based Navigation with LEO Satellites	Carlos Caravaca PhD Student	Technion, Israel Institute of Technology Israel
46	Attitude control system for the Korean LEO PNT	Dr. Wooyong Kang Principal Researcher	Koera Aerospace Research Institute South Korea
47	Implementation of Precise Carrier Phase Positioning Using Orbcomm LEO Signals of Opportunity	Ya-xun Yang PhD Student	National Cheng Kung University Taiwan
48	Physics-Informed LSTM for TLE Ephemeris Prediction in LEO-Based Navigation	Dr. Qi Liu Postdoc	Universitat Autònoma de Barcelona Spain
49	Interoperability Pathways for GNSS PPP Services: A Multi-Layer Analysis	Dr. Xin Nie Researcher	Cast, China Academy of Space Technology China
50	Impact of sparse GNSS measurement intervals on LEO precise orbit determination	Hoor Bano Project Assistant	Technische Universität Wien Austria

ID	TITLE	PRESENTING AUTHOR	ORGANIZATION
51	Low earth orbit satellite augmentation for precise point positioning: a review of recent developments	Prof. Dr. Paolo Dabove <i>Associate Professor</i>	<i>Politecnico di Torino - DIATI Italy</i>
52	Adapting a GNSS-SDR Software Receiver for Mars PNT Using Simulated GPS-Like Signals	Ivan Acosta Bayona <i>Product Line Manager</i>	<i>Spirent Spain</i>
53	Hybrid Classical-Quantum Inertial Navigation for Future Lunar Rovers	Arpetha Chikkamavathur Sreekantaiah <i>PhD researcher</i>	<i>Leibniz Universität Hannover Germany</i>
54	Demonstration and Evaluation of Starlink-Based PNT	Prof. Dr. Philipp Berglez <i>Full Professor</i>	<i>Graz University of Technology, Institute of Geodesy Austria</i>
55	On-board orbit and clock estimation for LEO-PNT satellites and resulting impact on ground user positioning	Jillian Oduber <i>Graduate Trainee</i>	<i>European Space Agency The Netherlands</i>

REGISTRATION AND SPEAKER SERVICE DESK

Opening Hours Registration Desk

Monday, 27 April 2026	14.00 – 18.00
Tuesday, 28 April 2026	08.30 – 18.00
Wednesday, 29 April 2026	08.30 – 18.00
Thursday, 30 April 2026	08.30 – 12.00

Opening Hours Speaker Service Desk

Tuesday, 28 April 2026	08.30 – 18.00
Wednesday, 29 April 2026	08.30 – 18.00
Thursday, 30 April 2026	08.30 – 12.00

SOCIAL PROGRAMME

Welcome Reception

When : Tuesday 28 April, 18:00 – 19:30
Where : Foyer, Austria Center Vienna

Networking Dinner

When : Wednesday 29 April, 19:00 – 23:00
Where : Luftburg – Kolarik im Prater, Prater 128, 1020 Vienna
Access : Please bring your conference badge to enter the venue

Getting to the dinner venue:

From the Austria Center Vienna, walk to metro station Kaisermühlen–VIC. Take the U1 line (red line) in direction Oberlaa. Travel to Praterstern (approx. 5 stops) At Praterstern, follow the signs to U2 (purple line) and change trains. Take U2 in direction Seestad. Get off at the next stop: Messe Prater. Use the exit marked "Messe". Once outside, turn right and walk for 6–8 minutes towards Luftburg – Kolarik im Prater. Total travel time is approximately 25 minutes.

Alternative (walking route):

From Praterstern, you can also walk towards the Riesenradplatz (giant Ferris wheel) and continue through the Prater park along Straße des 1. Mai. This scenic route takes approximately 35-45 minutes.

INTERNET ACCESS





Wi-Fi is available for participants.

Wi-Fi network name: ENC2026

Password: Vienna2026

FLOORPLAN



-  Plenary room
-  Parallel session rooms
-  Exhibition (see page 22)
-  Registration

EXHIBITION

Booth Exhibitor

- 1 Oscilloquartz
- 2 Helix Geospace
- 3 Austrian SMEs
- 4 LITEF
- 5 Safran Electronics & Defense
- 6 Spaceopal
- 7 Focal Point Positioning
- 8 PNTaaS Ltd
- 9 Exail
- 10 Spirent, Is Now Part of Keysight
- 11 European Space Agency
- 12 Beyond Gravity
- 13 Iridium
- 14 Novator Solutions
- 15 GPSPATRON
- 16 ION






WE THANK OUR SPONSORS

CONFERENCE PARTNER



DESTINATION PARTNER

 Federal Ministry
Innovation, Mobility
and Infrastructure
Republic of Austria

PLATINUM SPONSOR



GOLD SPONSOR



SILVER SPONSORS



EXHIBITORS



MEDIA PARTNERS



ENC 2026 is generously
supported by:

MEETING
DESTINATION
VIENNA

NOW ♦ TOGETHER