2nd ANNOUNCEMENT

Featuring the second part of the week (March 25-27) with focus on Satellite Navigation:

MULTI-FACETED PNT – MAINTAINING TRUST AND ACCURACY IN DIFFICULT TIMES

March 23-27, 2026

MUNICH SPACE SUMMIT

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Welcome to the Munich Space Summit – where Satellite Navigation meets New Space.

The Munich Space Summit – launching **March 23–27, 2026** – merges two of Munich's most recognized space events into one powerful platform: the **Munich Satellite Navigation Summit** and the **Munich New Space Summit**.

The Munich Space Summit 2026 is more than a conference – it's a week-long forum for innovation, exchange and foresight. The Summit builds bridges between established expertise and emerging ideas, between sectoral silos and shared challenges. Our programme will spotlight the fast-evolving world of New Space during the first part of the week (23–24 March), followed by exciting insights in multi-faceted PNT in the second half of the week (26–27 March). The centerpiece of the week will be a shared agenda on Wednesday (25 March), featuring high-level panel discussions and keynote speeches that bridge both sectors.

LOCATION: Alte Kongresshalle, Am Bavariapark 14, 80339 München

Key topics:

- Current Status of Global, Regional and Lunar SatNav Systems
- LEO-PNT Technologies and Applications
- Precise Positioning Technologies and Resilience for Satellite-Based PNT
- New Space Entrepreneurship & Private Capital
- Knowledge Transfer, Talent & Education
- Regulation, Policy and Legal Aspects
- Commercialization and Industrialising Space
- Civil/Military Dual-use and Strategic Autonomy in Space and PNT
- AI & Autonomy in Aerospace, Optical and Quantum Technologies

What to expect in the first half of the week (March, 23-25):

NEW SPACE – EUROPE'S GATEWAY TO SECURE, SCALABLE ACCESS

Innovation, entrepreneurship and investment take center stage. Explore the growing role of start-ups, private capital and agile technologies in shaping the commercial space landscape. With strong input from user sectors such as automotive, telecoms and defence.

Some Highlights of the New Space Programme:

- Defence & Secure Communications – Europe's Sovereignty in Space
- Mega Constellations – Scaling Satellites with Quality & Affordability
- Industrialising Space – 3D Printing, Advanced Materials & Mass Production
- Launchers – Europe's Access to Space
- Collaboration not Competition – Startups & Industry Shaping the New Space Economy Together

and many more exciting talks and panel discussions.

For more details, please visit our website: **https://www.munich-space-summit.org/preliminary-programme/**

DAY 3. **WORKSHOPS** Wednesday, March 25, 2026

11:00–11:45 hrs **DEEP DIVE 1 – DUAL-USE GNSS AND PRS (BREAKOUT Room I)**

Satellite navigation is a key technology for civil applications and critical infrastructures, as well as for sovereign security and defence tasks. The Galileo Public Regulated Service is an example of the dual-use character of satellite navigation. Therefore, the demarcation and interaction between open GNSS services and protected services will be discussed. This session will highlight current developments, prospects for future use and application perspectives.

Chair:
Hendrik Osenberg, Deputy Head of Navigation Department, German Space Agency at DLR, Bonn, Germany

11:00–11:45 hrs DEEP DIVE 2 – EDGE AI IN ORBIT: AUTONOMY, COMPRESSION & REAL-TIME DECISIONS (organized in parallel by Munich Aerospace)

11:45–12:30 hrs **DEEP DIVE 3 – FROM SPACE TO GROUND: GNSS FOR NON-SPACE USERS (BREAKOUT Room I)**

The session addresses the downstream perspective of GNSS by exploring how innovative, application-driven solutions emerge beyond the space sector. It highlights the convergence of GNSS technologies and NewSpace approaches and shows how this interaction enables novel services for a wide range of users. In this context, new funding programme lines that foster the creation and uptake of such applications will be introduced. Through selected examples, the session illustrates the practical value of GNSS-based innovations for industry, society, and public services.

11:45–12:30 hrs DEEP DIVE 4 – GROUND SEGMENT 2.0: CLOUD-NATIVE OPS & "GROUND-AS-A-SERVICE" (organized in parallel by Munich Aerospace)

Afternoon. OPENING Wednesday, March 25, 2026

13:30–18:00 hrs **OFFICIAL OPENING** by Munich Aerospace, UniBw M, DLR, Political Representatives

KEY PANEL DISCUSSION: FROM A SPACE POLICY STRATEGY TO NEW SPACE – ANSWERS TO GLOBAL CHALLENGES
with Josef Aschbacher, Director General, ESA; Rodrigo da Costa, Executive Director, EU Agency for the Space Programme (EUSPA); Michael Schöllhorn, President, German Aerospace Industries Association (BDLI), and further representatives of space policy.

PANEL ON SATELLITE NAVIGATION – MAINTAINING PRECISION IN DIFFICULT TIMES
with Francisco-Javier Benedicto Ruiz, Director of Navigation, ESA, and further representatives of GNSS.

INDUSTRY PERSPECTIVES - PATH TO CREATING SOLUTIONS

19:30–22:00 hrs **STATE RECEPTION**
at the Munich Residence.
Bus shuttle will be available.

We are looking very much forward to meeting you for drinks, food and great networking opportunities.

DAY 4.

Morning. Thursday, March 26, 2026

SatNav_Session 1. GNSS PROGRAM UPDATES – GLOBAL, REGIONAL AND AUGMENTATION SYSTEMS

Speakers from the respective organizations and countries will present updates on established and emerging global, regional, and augmentation satellite navigation systems. A special focus will be how established governmental GNSS and RNSS systems can embrace and are embracing emerging new systems such as commercial LEO-based services along with the new markets and applications that may develop.
Global: GALILEO (EU), GPS (USA), BeiDou (China)
Regional: QZSS (Japan), IRNSS/NAVIC (India), KPS (Korea)

Chair:
Mike Swiek, Mike International, LLC, Washington D.C., USA

SatNav_Session 2. ACCURACY AS KEY TO MODERN NAVIGATION

Precise point positioning (PPP) is considered a very advanced and demanding technique within satellite navigation to ensure high precision and global coverage. Commercial service providers offer proven PPP solutions to support autonomous systems and are challenged by public services. Advantages and added values of private services with respect to public ones are interesting topics. Most applications have increasing demand for safety, security, and reliability performance, which leads to the need to include authentication and integrity information, robustness to threats, and a precise terrestrial reference frame. Especially the quickly rising demand for security-driven applications will challenge current product solutions in the market. Supporting satellites in low Earth orbit as well as lower medium Earth orbit and exploiting innovative technologies such as optical links open new challenges and opportunities. The discussion of ongoing technological developments for PPP and a glimpse into what can be expected from PPP will help to understand the market in a better way and attract new user groups – and thus the PPP applications to come.

Chair:
Charles Ben, Evolution and Engineering Manager, spaceopal, Munich, Germany **&**
Ilaria Martini, Head of Navigation and Cyberresilience, Leonardo Space Division, Rome, Italy

SatNav_Session 3. RESILIENT NAVIGATION – CHALLENGES AND SOLUTIONS

Reliable Positioning, Navigation, and Timing (PNT) systems are vital for the smooth operation of modern economies, supporting a wide range of applications from autonomous transportation to energy distribution and telecommunication networks. As these systems are increasingly integrated into critical infrastructure, their resilience becomes a key concern, particularly in environments prone to disruptions like jamming or spoofing. Such vulnerabilities could have devastating impacts on both operational safety and security. This session will address the existing threat, its impact on applications as well as the importance of robust PNT solutions, focusing on how reliable positioning and timing are essential for the stability of critical systems. We will explore approaches and technologies that offer potential as countermeasures against these threats in order to safeguard PNT systems, ensuring their reliability and resilience for critical applications in an increasingly complex and interconnected world.

Chair:
Ramsey Faragher, Director, Royal Institute of Navigation, London, UK *

* to be confirmed

DAY 4. Afternoon.

SatNav_Session 4. SERVICES ENABLING SECURE AND TRUSTED NAVIGATION

The importance of secure and trustworthy position- and time-determination has become extremely important in recent times and is today even more important than accuracy for many, especially governmental, applications. This session will present some options that are suitable either to make position- and time-determination more robust or to minimize the impacts of interferences. This includes the use of encrypted GNSS services as well as the detection and localization of jammers and spoofers.

Chair:
Stefan Baumann, Programme Manager for Satellite Navigation, IABG, Ottobrunn, Germany **&**
Pierre Roussel, Head of the Space Affairs Office, General Secretariat for Defence and National Security, Paris, France

SatNav_Session 5. MULTI-FACETED PNT FOR EARTH AND SPACE

Reliable Positioning, Navigation, and Timing (PNT) systems are critical for the functioning of diverse applications, ranging from aviation and maritime navigation to space exploration. The integration of MEO-based GNSS, emerging LEO-based GNSS, terrestrial APNT, multisensor fusion, and even future extraterrestrial PNT infrastructure offers the potential for highly accurate, reliable, and resilient positioning solutions. However, there is no one-size-fits-all approach. Each application domain—such as air traffic, maritime navigation, or lunar missions—presents unique challenges that require customized solutions. This session will explore the complementary potential of these different technologies and systems, emphasizing the need for multisensor and multilayer approaches. We will examine how these diverse PNT solutions can be combined to address the specific requirements of various domains, ensuring robustness and precision in dynamic environments on Earth and in space. Join us to explore how innovative strategies can optimize positioning capabilities for both terrestrial and extraterrestrial applications, providing reliable, adaptable, and secure navigation in an increasingly complex world.

Chair:
Jade Morton, Distinguished Professor, University of Colorado Boulder, Boulder, CO, USA **&**
Masaya Murata, Lunar PNT Lead, Japan Aerospace eXploration Agency (JAXA), Tsukuba, Ibaraki, Japan

SatNav_Session 6. OPTICAL, QUANTUM, AND AI TECHNOLOGIES AS GAMECHANGERS?

As global navigation evolve, the demand for higher performance and resilience becomes more critical. This session will highlight emerging technologies with the potential to revolutionize GNSS systems and PNT, including optical inter-satellite links for time transfer and ranging, as well as advancements in artificial intelligence and quantum technologies. We will explore the role of optical solutions in addressing synchronization and further challenges in GNSS and discuss the ongoing validation and demonstration missions, such as ESA's OpSTAR initiative. The potential of quantum technologies, particularly for enhancing sensor capabilities and robust timing, will also be examined, alongside the evolving role of AI to improve real-time decision-making and system resilience. However, we will also consider the challenges and limitations these technologies face. Join us to assess the future of GNSS systems and how these technologies could contribute to greater resilience, accuracy, and interoperability in an increasingly complex global environment.

Chair:
Allison Kealy, Professor, Swinburne University of Technology, Melbourne, Australia **&**
José Angel Ávila Rodríguez, Head of the Future Programmes Office, ESA, Noordwijk, The Netherlands

19:30 hrs **Evening.** SPACE NIGHT
sponsered by Airbus

DAY 5.

Morning. Friday, March 27, 2026

SatNav_Session 7. MUNICH FLASHLIGHTS

This year's Munich Navigation Flashlights focus on the robustness and accuracy currently being advanced by Bavarian navigation experts. Accuracy and robustness are key for application domains as they are ensuring that the position, navigation and timing performance meets the operational demands of applications. Moreover, they are essential for safety- and mission-critical domains, where reliable service, integrity, and continuity must be maintained even under hampered environmental conditions. The invited experts will present their solutions and how improvements can be achieved. In addition, they will discuss what is still missing with respect to applications areas.

Chair:
Bärbel Deisting, Senior Manager, EurA AG, Ottobrunn, Germany

SatNav_Session 8. LEO-PNT – CONSTELLATIONS AND USE-CASES

LEO-PNT delivers services that complement widely used, free-of-charge GNSS offerings. Understanding the applications that motivate this relatively new approach to providing PNT is therefore essential. This session will concentrate on those applications and how to shape the service concept, the constellation or signals. Examples from automotive, indoor positioning, public safety, and agricultural domains, among others, clearly illustrate how LEO-PNT offers added value that justifies both public and private investment.

Chair:
Representatives from ESA & EC *

SatNav_Session 9. TECHNOLOGIES FOR MULTI-LAYER PNT

Multi-layer PNT integrates emerging low-Earth-orbit PNT with legacy GNSS signals, terrestrial radionavigation signals, and other complementary sensing. Three primary technology families have been identified for delivering navigation services from LEO: (1) dedicated GNSS-like systems, (2) systems that fuse a secondary PNT service with a primary broadband communications service, and (3) opportunistic exploitation of SatCom signals. This session will compare and contrast these approaches to clarify which combinations of multi-layer PNT technologies are best suited to specific use cases. It will also highlight the opportunities that emerging direct-to-device satellite communications systems offer for PNT.

Chair:
Todd Humphreys, Professor, Department of Aerospace Engineering and Engineering Mechanics, The University of Texas at Austin, USA

* to be confirmed

DAY 5. Afternoon.

SatNav_Session 10. EUROPEAN NAVIGATION ECO-SYSTEM

Galileo's portfolio of capabilities is continuously expanding with emerging services. Provided by the first and the second generation of Galileo, these services deliver highly accurate and resilient positioning and timing solutions tailored to domains ranging from transport operations to vital infrastructure. This session will provide up-to-date perspectives on the rapid evolution of these next-generation services.

Chair:
Representative of EUSPA *

SatNav_Session 11. TRUST IN TIMING

Reliable time provision is a cornerstone of modern critical infrastructure, enabling seamless operations across a broad range of sectors, from power grids and financial networks to communication systems and transportation. Many of these systems rely heavily on GNSS (Global Navigation Satellite System) for accurate time synchronization, which is essential for ensuring safety, security, and efficiency. However, this dependence exposes society to significant risks, as disruptions such as jamming, spoofing, or solar activity can undermine the availability of reliable time information, leading to severe consequences for critical services. This session will delve into the importance of secure and robust time provision for Critical Infrastructure highlighting the growing vulnerabilities of GNSS-based time synchronization. We will explore emerging technologies and innovative time distribution techniques, including new clock concepts and alternative secure time sources, to mitigate these threats. Join us to examine how these advancements can protect the reliability and resilience of time-dependent systems, ensuring continued operational stability in an increasingly interconnected and vulnerable world.

Chair:
Pascale Defraigne, Royal Observatory of Belgium, Brussels, Belgium * **&**
Dana Goward, President, Resilient Navigation and Timing Foundation, Alexandria, VA, USA *

Closing of the Summit and Invitation to the Bavarian Networking Event.

To find out about updates to the program, please visit our homepage: **https://www.munich-space-summit.org/preliminary-programme/**

* to be confirmed

Bavarian NETWORKING

The Summit will close with a special
Bavarian Networking Event in the exhibition area,
offering a glimpse into
Bavarian cuisine and beer culture.

At this reception you will have the possibility
to let the conference end in a relaxed way.
There is room to get into conversation with people
from companies in and outside Munich, with
stakeholders and potentially interesting partners.

REGISTRATION

Online registration is possible via the website www.munich-space-summit.org

Virtual participation fee:

Virtual participation
March 25–27
€ 300,00
valid at all times

The registration for the virtual participation includes access to all online streams.

On site participation fees:

Early Summit rate	Regular rate	Speaker rate	Sponsor/Exhibition staff	Full Event
March 25–27	March 25–27	March 25–27	March 25–27	March 23–27
€ 750,00	€ 850,00	€ 250,00	€ 600,00	€ 1100,00
valid until January 31, 2026	valid from February 1, 2026	valid at all times individual code will be provided	valid at all times individual code will be provided	valid at all times

The registration fee includes access to all sessions (on site and via online stream), to various networking opportunities like the state reception on March 25 as well as visiting the technical exhibition, admission to the lunches, coffee/tea, snacks and refreshments during the conference and the retrieving of the conference proceedings.

While all rates apply to Day 3–5 of the Munich Space Summit, the Full Event rate offers the possibility to participate the whole week for a reduced price.

CANCELLATION/REFUND POLICY

Written cancellations until February 15, 2026 are refundable less € 150,00 cancellation fee. After February 16, 2026 there will be no refunds.
We regret that individual registration benefits are not transferable.

EXHIBITION

The Munich Space Summit will give your business a unique opportunity to position your latest products, services and technologies.
Manufacturers, organisations and service providers are invited to exhibit at this event. Please contact us for further information.

SUPPORT

We offer different packages for companies and institutions that are interested to be an official partner of the conference.
If you would like to contribute, please contact us for further details.

CONTACT

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