



Outline Program ASMS/SPSC 2025

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Platinum Patron



Gold Patrons



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Day 1 (26/02/2025) – Morning

09:00 – 09:20

Opening Ceremony (Room Talaia)

09:20 – 10:00

Keynote (Room Talaia)

NTN from 5G to 6G: Standardization and Sustainability Aspects

Nicolas Chuberre



10:00 – 10:40

Keynote (Room Talaia)

IRIS² – The New EU Programme Providing Secure Connectivity via Satellites

Jaime Ferragut



Joint Research Centre

10:40 – 11:10

Coffee-Break (Room Formentera with Demo/Exhibition Space)

Panel Discussion (Room Talaia)

Space for 6G

Moderator: Fabrizio De Paolis (European Space Agency)

11:10 – 12:40

Gino Masini

Eduardo Yusta Padilla

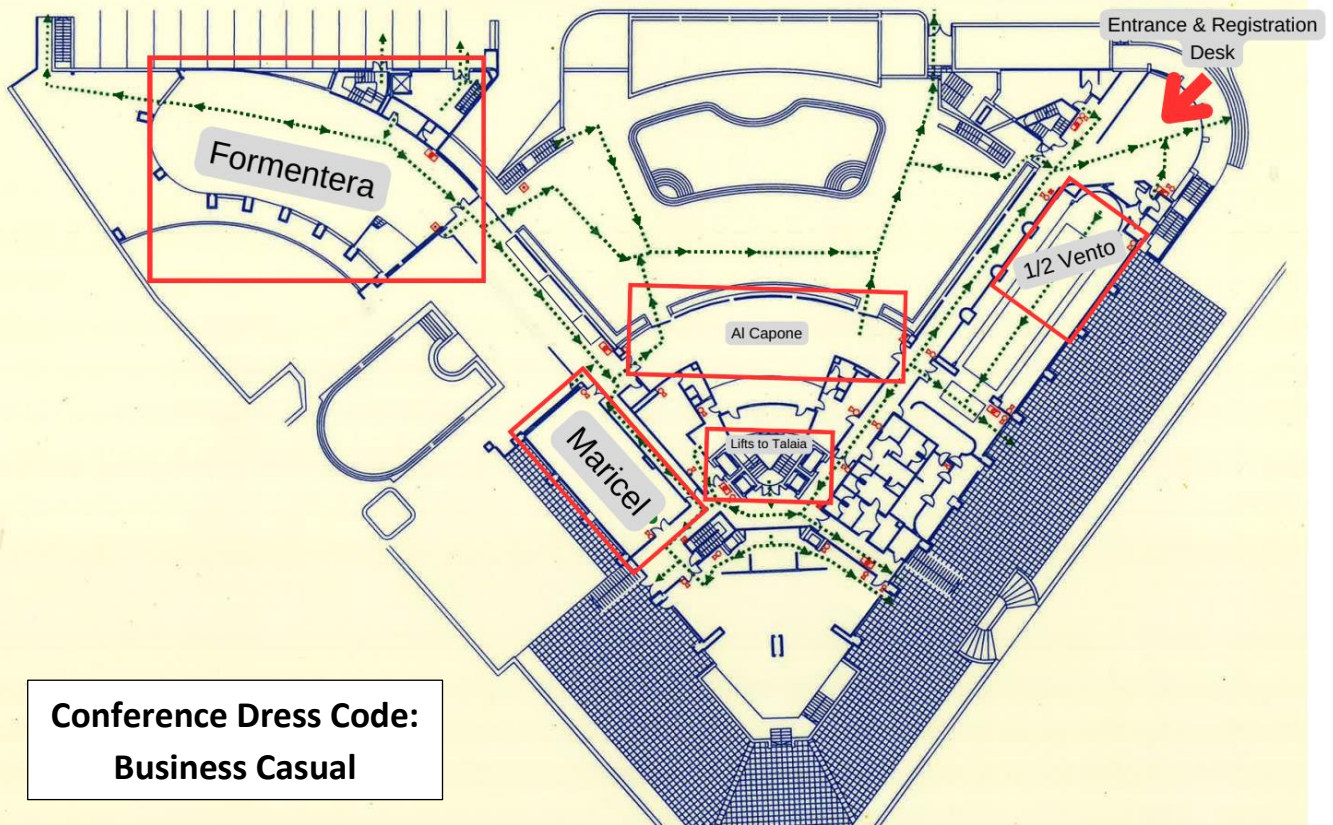
Antonio Arcidiacono

Philipp Landgraf



12:40 – 14:00

Lunch (Room Al Capone)



Day 1 (26/02/2025) – Afternoon

	Tutorial (Room Talaia)	Paper Session (Room Maricel)	Paper Session (Room Vento)
14:00 – 16:00	<i>From 5G NTN to 6G NTN – Standardization, Research, and Challenges</i> Christian Rohde	<i>IoT Systems (IoT)</i> Chair: Nader Alagha (ESA)	<i>Physical Layer-1 (PHY-1)</i> Chair: Selma Zamoum (ESA)
			

16:00 – 16:30 *Coffee-Break (Room Formentera with Demo/Exhibition Space)*

	Special Session (Room Talaia)	Paper Session (Room Maricel)	Tutorial (Room Vento)
16:30 – 18:30	<i>Space-Terrestrial Integrated Internet-of-Things</i> Juan A. Fraire	<i>Physical Layer-2 (PHY-2)</i> Chair: Alessandro Guidotti (CNIT)	<i>Mobility for 5G NTN: Performance and Challenges of NTN over Mobile Channels</i> Nicolò Mazzali Riccardo Tuninato
	 Marco Guadalupi		
	 Vincent Deslandes		
	 Sergio Sarasola		
			

Bus Transfer to Sitges Old Town (duration ca. 15 min)

19:00 – 20:30

Walking Guided Tour through Sitges Old Town
PLEASE WEAR THE ARMBAND YOU FIND IN THE CONFERENCE BAG!

From 20:30

Cocktail-Reception (Restaurant Pic Nic)
Bus Transfer back to the Conference Hotel at 22:00



Day 2 (27/02/2025) – Morning

09:00 – 09:40 Keynote (Room Talaia)
Satellite Communication Systems: a Vision for beyond 2030

Alberto Ginesi



09:40 – 10:20 Keynote (Room Talaia)
5G-NTN: from Standardization to Deployment

Daniele Finocchiaro



10:20 – 10:50 *Coffee-Break (Room Formentera with Demo/Exhibition Space)*

Panel (Room Talaia)

Recent Developments in Direct-to-Device Satellite Communications
Moderator: Stefano Cioni (European Space Agency)

10:50 – 12:20

Greg Pelton

Lorenzo Casaccia

Munira Jaffar

Stefano Vaccaro



12:20 – 13:00 Keynote (Room Talaia)
From Earth to the Sky: How does Interworking between Terrestrial and Non-Terrestrial Networks Look Like?

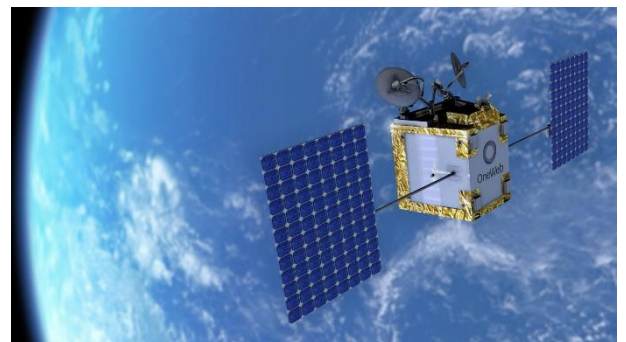
Barbara Pareglio



13:00 – 14:30

Lunch (Room Al Capone)

 **EUTELSAT GROUP** is a global leader in satellite communications, delivering connectivity and broadcast services worldwide. The Group was formed through the combination of the Company and OneWeb in 2023, becoming the first fully integrated GEO-LEO satellite operator with a fleet of 35 Geostationary satellites and a Low Earth Orbit (LEO) constellation of more than 600 satellites.



Eutelsat addresses the needs of customers in four key verticals of Video, where it distributes more than 6,500 television channels, and the high-growth connectivity markets of Mobile Connectivity, Fixed Connectivity, and Government Services. Eutelsat Group's unique suite of in-orbit assets enables it to deliver integrated solutions to meet the needs of global customers. Eutelsat is dedicated to continuous innovation to enhance its services and deliver a superior long-term customer experience. Its ongoing initiatives include the standardization and development of 5G-NTN protocols, advancements in Internet of Things (IoT) applications, adoption of the DVB-NIP video distribution standard, and efforts to promote clean and eco-friendly space operations. Additionally, Eutelsat leverages Artificial Intelligence to mitigate signal interference. The company actively participates in numerous collaborative projects, such as 5G-Emerge, European Protected Waveform, and SunRise.

Day 2 (27/02/2025) – Afternoon

Special Session
(Room Talaia)

**5G/6G NTN
Experimentations**

Jens Haala



Sandro Scalise



Daniele Finocchiaro



Reiner Stuhlfauth

ROHDE & SCHWARZ
Make ideas real



Pol Henarejos



Paper Session
(Room Maricel)

System Performance (SYS)

Chair: Alberto Mengali (ESA)

Short Tutorial (Room Vento)

**ESTOL: a European
Specification to Ensure
Interoperable Optical Links**

Daniel Arapoglou



Short Tutorial (Room Vento)
– Start 15:15

**DVB Standard Support of
NGSO Systems**

Peter Nayler



Invited Presentation (Room
Vento) – Start 16:00

**5G Backhaul Integration of
LEO JoeySat Satellite**

Michael Fitch



14:30 – 16:30

16:30 – 17:00

Coffee-Break (Room Formentera with Demo/Exhibition Space)

Tutorial (Room Talaia)

**ML/AI integration in 5G and
Beyond-5G**

Dejan Vukobratović



Paper Session
(Room Maricel)

5G/6G-NTN Systems (NTN)

Chair: Tomaso De Cola (DLR)

Paper Session
(Room Vento)

Networking (NET)

Chair: Maria Pimentel (ESA)

17:00 – 19:00

From 20:00

Social Dinner (Conference Hotel, Restaurant Acqua)

Day 3 (28/02/2025) – Morning

09:00 – 09:20	Short Keynote (Room Talaia) Shared Space Infrastructure	Girish Chandran 
09:20 – 09:40	Short Keynote (Room Talaia) Role of Geostationary Satellites in Future Communication Systems	Joel Grotz 
09:40 – 10:00	Short Keynote (Room Talaia) The Path towards 5G NTN	José Luis Alcolea Coronel 
10:00 – 10:45	Round Table with the Satellite Operators (Room Talaia) <i>Moderator: Sandro Scalise (DLR)</i>	Eutelsat Group, Hispasat Iridium, SES, Viasat
10:45 – 11:15	Coffee-Break (Room Formentera with Demo/Exhibition Space)	
11:15 – 11:35	Short Keynote (Room Talaia) Tyvak International: Small Satellites Big Solutions. The Crucial Role of the ARTES 5G Demonstrator	Margherita Cardi 
11:35 – 11:55	Short Keynote (Room Talaia) Multilayer Satcom Constellations – Challenges for the Satellite Industry	Stephan Roemer 
11:55 – 12:15	Short Keynote (Room Talaia) Accelerating NTN Deployment to Beat the Goldrush	Richard Soden 
12:15 – 13:00	Round Table with Satellite and Equipment Manufacturers (Room Talaia) <i>Moderator: Alberto Ginesi (European Space Agency)</i>	Keysight, OHB, Tesat, Tyvak International, Thales Alenia Space, Airbus Defense and Space
13:00 – 14:15	Lunch (Room Formentera with Demo/Exhibition Space)	

Day 3 (28/02/2025) – Afternoon

Special Session
(Room Talaia)

Short Paper Session
(Room Maricel)

Tutorial
(Room Vento)

**Overview of Ongoing NTN-
Related EC/SNS Projects**

Security (SEC)

**An Overview of 6G Multi-
Functional Satellite
Systems for
Communication, Sensing
and Positioning**

Moderator: Bernard Barani
(6G-IA)

Chair: Joan Bas (CTTC)

Alessandro Vanelli-Coralli
(Univ. Bologna)

Special Session – **Start 15:15**
(Room Maricel)

Jorge Querol, Prabhu
Kaliyammal
Thiruvassagam and
Alejandro Gonzalez
Garrido



**Research Advances in EU
GovSatCom**

Tomaso De Cola (DLR)

Andrea Julia Pérez-Carro Ríos

14:15 – 16:15



Joan A. Ruiz de Azúa (i2CAT)

Miguel Ángel Vazquez



Babak Mafakheri (SPI)

Almudena Sánchez



Luis Blanco (CTTC)

Eduardo Agra Barros



16:15 – 16:30

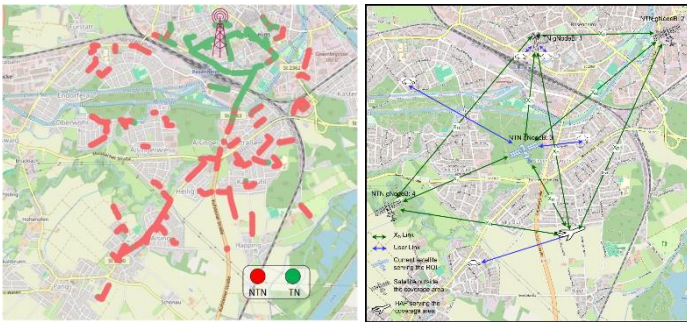
Closing Ceremony and Best Paper Award Assignment (Room Talaia)

Demo/Exhibition Space (Room Formentera)

3D CAD Visualization in XR for Design & Engineering



3D Network System Level Simulator for Performance Analysis of Hybrid TN-NTN



Realtime 5G-NTN End2End Demonstrator



Exhibition Stands of the Industrial Patrons of the Conference:



Exhibition Stand of the Following EC/SNS Projects:



Enjoy the Conference!