

## ***Space and SATCOM for 5G***

### ***European Transport and Connected Mobility***

**27 – 28 June 2017**

**Crowne Plaza Brussels - Le Palace, Rue Gineste 3, 1210 Brussels**

Profound change lies ahead for the transport sector, both in Europe and in other parts of the world, while a wave of technological innovation and disruptive business models has led to a growing demand for new mobility services. In fact, transportation systems are developing towards connected mobility, and the choice of communication technology, which should be transparent for the end user, it will be based upon the location, the type of service and cost efficiency. 5G and satellite communication should be integrated as future technologies into the hybrid communication mix<sup>1</sup>.

The Space Strategy for Europe<sup>2</sup> underlines the role satellites can play to provide cost-effective solutions to improve connectivity for Europe's digital society and economy as part of the future 5G networks, where numerous applications and services using space data will also require uninterrupted connectivity. It encourages the uptake of space solutions by integrating space into future strategies addressing the transport sector at large, including for example autonomous and connected cars, trucks, ships, trains, airplanes and unmanned aerial vehicles.

The Conference aims at **promoting cooperative frameworks that encourage the interworking of satellite and terrestrial technologies in support to the automotive and transport sector, by bringing together the respective business and institutional communities. Special emphasis will be put on the roles and approaches of the diverse groups of stakeholders involved in the development of satellite based 5G networks and of future transportation vehicles.** Both policy and technology aspects related to 5G and future space-based solutions will be discussed, with a clear focus on markets where satellite communications and other space applications provide strong value-add and complementarity to terrestrial 5G solutions.

Participants will discuss the user and market needs on the demand-side and the possible solutions on the supply-side, outlining a way ahead which may include public-private partnership models, private investments, the EC 5G Action Plan and ESA R&D support activities. The findings and recommendations of the event will be reflected in an executive report, made available to key decision-makers in industry and institutions.

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<sup>1</sup> A European Strategy on Cooperative Intelligent Transport Systems, a milestone towards cooperative, connected and automated mobility. COM(2016)766 Final, 30.11.2016

<sup>2</sup> Space Strategy for Europe. COM(2016)705 Final, 26.10.2016

## Day 1 (afternoon) – 27 June 2017

13:30	Registration and Welcoming Coffee
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### Opening (14:00 – 14:45)

Opening remarks	<p>Geneviève Fioraso (confirmed) Chair, ESPI Advisory Council</p> <p>Magali Vaissiere (confirmed) Director of Telecommunications and Integrated Applications, ESA</p>
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1. Key Note	D. Kennedy (EURESCOM) (confirmed)
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### Panel 1: Policy Perspective (14:45 – 18:30)

Chair: Evert Dudok, Chairman-Elect ESOA (EMEA Satellite Operators Association)

Nr.	Time	Topic	Speakers
2.	14:45 15:30	Policy Key Note	Roberto Viola (confirmed) Director General EC DG-CONNECT
3.	15:30 17:00	Policy perspectives	<p>The Satellite Operators: 5G manifesto Karim Michel Sabbagh (confirmed) CEO SES</p> <p>The European Parliament perspective Gesine Meissner (confirmed) Committee on Transport and Tourism Member of the European Parliament</p> <p>The Satellite Manufacturers perspective Christophe Nussli (confirmed) Thales Alenia Space</p> <p>ESA Industrial Policy perspective Geraldine Naja (confirmed) Head of Industrial Policy and Audit Department, ESA</p>
	17:00 17:15	Coffee break	
4.	17:15 17:45	Spectrum and regulatory aspects	Francois Rancy (confirmed) Director, Radio Comm Bureau ITU
5.	17:45 18:00	The ESA perspective	Hermann Ludwig Moeller (confirmed) Head of TIA Programme Office, ESA
	18:00 18:30	Panel discussion	Questions and answers Panel 1 Wrap-up
	19:00 22:00	Social Event and Dinner	

## Day 2 (morning) – 28 June 2017 (9:00 – 13:00)

### Panel 2: User Perspective

Nr.	Time	Topic	Speakers
6.	9:00 9:45	<b>Key Note European Transportation Sector</b>	Henrik Hololei (invited) Director-General for Transport and Mobility, EC DG-MOVE
7.	9:45 10:30	<b>The added value of Space Applications</b>	Nick Appleyard (confirmed) Head of Department Integrated Applications, ESA  Fiammetta Diani (confirmed) Deputy Head of Market Development European GNSS Agency (GSA)  Eutelsat (confirmed)
	10:30 10:45	<b>Coffee break</b>	
8.	10:45 12:45	<b>Transportation Industry view</b>	Stefano Spennati (confirmed) EU Affairs Policy Advisor Confraspporto – Confcommercio Imprese per l'Italia  Greg Ewert (confirmed) VP Connected Car Inmarsat  Ines Sanz (confirmed) Customer Engineering Manager Sat2Car Project - Hispasat  Stefano Neri (confirmed) Trenitalia S.p.A.  Richard Lax (confirmed) EU Affairs Officer Kapsch TrafficCom AG
	12:45 13:00	<b>Panel discussion</b>	Questions and answers Panel 2 Wrap-up
	13:00 14:00	<b>Lunch</b>	

## Day 2 (afternoon) – 28 June 2017 (14:00 – 18:30)

### Panel 3: Partnership Perspective (14:00 – 16:45)

Chair: Christine Leurquin, Vice-Chair of the 5G-IA Board & Vice President, Institutional Relations and Communications, SES (confirmed)

Nr.	Time	Topic	Speakers
9.	14:00 14:45	Partnership Key Note	Jaime Silva (confirmed) EC DG-GROW / ESPI Advisory Council
10.	14:45 15:15	EC 5G PPP	Bernard Barani (confirmed) Head of Future Connectivity Systems EC DG-CONNECT
11.	15:15 16:45	Innovative Partnerships models	Carlo Elia (confirmed) Head of Telecom Technologies, Products and Systems Department, ESA  Laurent Reynaud (confirmed) Research Engineer at Orange Labs Orange  Airbus Defense and Space (confirmed)  Alessandro Coda (confirmed) Chief Technical Officer European Association of Automotive Suppliers (CLEPA)  Thales Alenia Space (confirmed)  Eric Beranger (confirmed) Chief Executive Officer OneWeb

### Final Round Table: Recommendations for a way ahead

(16:45 – 18:30)

Chairmen, industrial and institutional Representatives from Policy, User and Partnership Panels

Moderators: Magali Vaissiere, Jean-Jacques Tortora

**Closing (18:30)**