

2017 AIAA Colloquium

Preliminary Program

Monday, October 16, 2017 – Tergeste Room

09:00 - 09:10

Colloquium Opening

Co-Chairs: **Hector Fenech**, *Eutelsat, France* and **Nader S. Alagha**, *ESA, The Netherlands*

09:10 - 10:30

Session 1: What is a HTS System?

Co-Chairs: **Hector Fenech**, *Eutelsat, France* and **Nader S. Alagha**, *ESA, The Netherlands*

09:10 - What pushed us into HTS Systems?

Hector Fenech, *Eutelsat, France*

09:30 - What is the Current Status of HTS?

Marc Agnew, *ViaSat, USA*

09:50 - What are the Challenges?

Glyn Thomas, *Airbus, United Kingdom*

10:10 - Q&A

10:30 - 11:00 - Coffee Break

11:00 - 12:40

Session 2: GEO? LEO? 5G?

Co-Chairs: **Hector Fenech**, *Eutelsat, France* and **Nader S. Alagha**, *ESA, The Netherlands*

11:00 - Why a GEO HTS System?

Peter Garland, *MDA Corp., Canada*

11:20 - Why are LEO Constellations Appearing Now?

Tony Azzarelli, *OneWeb, United Kingdom*

11:40 - Can 5G Enhance the Satellite Offer?

Ana Perez-Neira, *Universitat Politcnica de Catalunya, Spain*

12:00 - How Can Space and Terrestrial Networks Complement Each Other?

Alex Holvoet, *LeoSat, The Netherlands*

12:20 - Q&A

12:40 - 13:40 - Lunch Break

13:40 - 15:20

Session 3: Satellite System Architectures

Co-Chairs: **Hector Fenech**, *Eutelsat, France* and **Nader S. Alagha**, *ESA, The Netherlands*

13:40 - **What Are the Current HTS Architectures? (GEO)**

Sonya Amos, *Eutelsat, France*

14:00 - **What Are the Current HTS Architectures? (LEO)**

Didier Le Boulch, *Thales Alenia Space, France*

14:20 - **What Are the Tendencies in the Networks?**

Joel Grotz, *KTH Royal Institute of Technology, Sweden*

14:40 - **What Are the Tendencies for the Terminals?**

Thierry Abraham, *Satify, Israel*

15:00 - Q&A

15:20 – 15:50 - *Coffee Break*

15:50 – 17:30

Session 4: Is There Space for Everybody? Commercial? Spectrum?

Co-Chairs: **Hector Fenech**, *Eutelsat, France* and **Nader S. Alagha**, *ESA, The Netherlands*

15:50 - **Can the Spectrum Be Shared Between the Systems?**

Wladimir Bocquet, *Eutelsat, France*

16:10 - **Can So Many Systems Work Together, Technically?**

Damien Roques, *ESA/ECSAT, United Kingdom*

16:30 - **What Are the Difference in the Business Cases for GEO and LEO?**

Rajeev Gopal, *Hughes Network Systems, USA*

16:50 - **What Are the benefits for the End Users?**

James Hinds, *Airbus, United Kingdom*

17:10 - Q&A