

CONFERENCE PROGRAM OVERVIEW

Monday, October 16

Lobby

08:00 - 09:00

Registration

Tergeste Room

09:00 - 17:30

Colloquium: High Throughput Satellite (HTS) Broadband Opportunities: Orbits, Architectures, Spectrum, Interference and Markets

Chair: Hector Fenech, Director Future Satellite Systems, Eutelsat, France and Nader S. Alagha, Senior Telecommunications Systems Engineer, ESA, The Netherlands

20:00 - 22:30

Joint Conference Chairs Dinner (by Invitation)

CONFERENCE PROGRAM OVERVIEW

Tuesday, October 17

Lobby

08:00 - 08:30

Registration

Tergeste Room

08:30 - 08:40

Opening Session: Welcome

Chair: Richard T. Gedney and Marco Lisi

Tergeste Room

08:40 - 09:15

Opening Session: Keynote

Chair: Badri Younes, NASA HQ, USA

Tergeste Room

09:40 - 10:30

Round Table: Commercial Space Applications: Transformation, Fusion and Competition

Chair: Peter Garland, MDA Corp., Canada

10:30 - 11:00

Coffee Break

Tergeste Room

11:00 - 13:00

Plenary Panel 1: Optical Technology and Systems

Chair: Pete Vrotsos, ZIN Technologies, USA

13:00 - 14:30

Lunch Break

Room A

14:30 - 16:10

ICSSC 1: HTS and Multi-Beam Systems I

Chair: Nader S. Alagha, ESA, The Netherlands

Room B

14:30 - 15:50

Ka 1: Q/V Communication Experiments & Technologies I

Chair: Juan Rivera Castro, ESA, the Netherlands and Giorgia Parca, ASI, Italy

Room C

14:30 - 15:50

ICSSC 2: High Data Rate Architectures and Bandwidth Efficient Schemes I

Chair: Tom Butash, Innovative Aerospace IS, USA

Room D

14:30 - 16:10

Ka 2: HTS On-Board Processing, Payload Architectures and Technologies I

Chair: Alessandro Le Pera, Eutelsat, France

Room E

14:30 - 16:10

15th BroadSky Workshop: One More Asset for the 5th Generation

Chair: Naoto Kadowaki, NICT, Japan

16:10 - 16:30

Coffee Break

Room A

16:30 - 18:10

ICSSC 3: HTS and Multi-Beam Systems II

Chair: Liping Ai, George Washington University, USA and Amane Miura, NICT, Japan

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Room B

16:30 - 17:50

Ka 3: Q/V Communication Experiments & Technologies II

Chair: Tommaso Rossi, University of Rome Tor Vergata, Italy and Giuseppe Codispoti, ASI, Italy

Room C

16:30 - 18:10

ICSSC 4: High Data Rate Architectures and Bandwidth Efficient Schemes II

Chair: Farbod Kayhan, University of Luxembourg, Luxembourg

Room D

16:30 - 18:10

Ka 4: Earth Observation

Chair: Barry Evans, University of Surrey, United Kingdom

Room E

16:30 - 18:10

15th BroadSky Workshop: One More Asset for the 5th Generation (Contd)

Chair: Naoto Kadowaki, NICT, Japan

19:00 - 21:00

Joint Conference Welcome Cocktail Reception

CONFERENCE PROGRAM OVERVIEW

Wednesday, October 18

Lobby

08:00 - 08:30

Registration

Tergeste Room

08:30 - 10:30

Plenary Panel 2: New Markets Emerging from Aviation and Autonomy

Chair: Marco Lisi, ESA, The Netherlands

Room E

09:00 - 10:30

3rd General Assembly Aldo Paraboni Experimenters Group

Chair: Carlo Riva, Polytechnic of Milan, Italy

10:30 - 11:00

Coffee Break

Room A

11:00 - 12:20

ICSSC 5: LEO Satellite Technologies

Chair: Ifiok Otung, University of South Wales, United Kingdom and Naoto Kadowaki, NICT, Japan

Room B

11:00 - 12:20

Ka 5: HTS Systems

Chair: Tom Butash, Innovative Aerospace IS, USA

Room C

11:00 - 12:20

ICSSC 6: Propagation

Chair: Emilio Matricciani, Politecnico di Milano, Italy

Room D

11:00 - 12:20

Ka 6: Components I

Chair: Hampton Chan, SSL, USA

12:20 - 14:00

Lunch Break and AIAA Aerospace Communications Award & Acceptance Speech

Room A

14:00 - 15:20

ICSSC 7: Emerging Satellite Architectures

Chair: Fun Hu, University of Bradford, UK

Room B

14:00 - 15:40

Ka 7: Protocols

Chair: Mario Blanco, The Mitre, USA

Room C

14:00 - 15:20

ICSSC 8: Satellite Payloads

Chair: Peter Garland, MDA, Canada

Room D

14:00 - 15:20

Ka 8: Components II

Chair: Tony Stajcer, Honeywell, Canada

Room E

14:00 - 15:40

3rd General Assembly Aldo Paraboni Experimenters Group

Chair: Carlo Riva, Polytechnic of Milan, Italy

CONFERENCE PROGRAM OVERVIEW

15:40 - 16:10 *Coffee Break*

Room A

16:10 - 17:50 **Ka 9: Special Topics**
Chair: Arduino Patacchini, ARPASAT, France

Room B

16:10 - 17:50 **Ka 10: Ground Equipment I**
Chair: Richard T. Gedney, Consultant, USA

Room C

16:10 - 17:50 **Ka 11: HTS Onboard Processing, Payload Architectures and Technologies II**
Chair: Peter Garland, MDA, Canada

Room D

16:10 - 17:50 **Ka 12: Optical Communications**
Chair: Naoto Kadowaki, NICT, Japan

Room E

16:10 - 17:50 **3rd General Assembly Aldo Paraboni Experimenters Group**
Chair: Carlo Riva, Polytechnic of Milan, Italy

20:30 - 23:00 *Joint Conference Dinner*

CONFERENCE PROGRAM OVERVIEW

Thursday, October 19

Room A

08:30 - 09:30 **ICSSC 9: Integrated Telecom Systems**
Chair: Denise Ponchak, NASA, USA

Room B

08:30 - 10:10 **Ka 13: Ground Equipment II**
Chair: Avi Freedman, Satixfy, Israel

Room C

08:30 - 10:10 **Ka 14: Propagation I**
Chair: Carlo Riva, Politecnico di Milano, Italy

Room D

08:30 - 09:50 **Ka 15: Small Satellites I**
Chair: Giacinto Losquadro, Thales Alenia Space, Italy

10:10 - 10:40 *Coffee Break*

Room A

10:40 - 11:40 **ICSSC 10: Transmitter Systems**
Chair: Nafiz Karabudak, Lockheed Martin, USA

Room B

10:40 - 12:00 **Ka 16: Navigation Systems and Applications**
Chair: Gian-Gherardo Calini, GSA, Czech Republic

Room C

10:40 - 12:00 **Ka 17: Propagation II**
Chair: Michael Zemba, NASA, USA

Room D

10:40 - 11:40 **Ka 18: Small Satellites II**
Chair: James Hinds, Airbus, United Kingdom

12:00 - 13:30 *Lunch Break*

Room A

13:30 - 14:50 **ICSSC 11: Communication Networks and Protocols**
Chair: Jonathan Rodriguez, Instituto de Telecomunicacoes, Aveiro, Portugal

Room B

13:30 - 14:30 **Ka 19: Ka Telecommunication Systems**
Chair: Marco Brancati, Telespazio, Italy

Room C

13:30 - 14:30 **Ka 20: Antennas**
Chair: Mike Cascone, CPI, USA

Room D

13:30 - 15:00 **ICSSC 12: Space Agencies: Next-generation Communications Architectures**
Chair: Philip Liebrecht, NASA, USA

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14:50 - 15:20	<i>Coffee Break</i>
	<i>Tergeste Room</i>
15:20 - 17:20	Plenary Panel 3: Disruptive Broadband Systems <i>Chair: Chris Hoeber, CFH Engineering, USA</i>
17:20 - 17:40	<i>AIAA ICSSC Best Paper Awards</i>
	<i>Tergeste Room</i>
17:40 - 18:00	Closing : <i>Chair:</i>
