

CONFERENCE PROGRAM OVERVIEW

Monday, October 15

08:00 - 09:00	<i>Oakes Foyer</i> Registration
09:00 - 18:00	<i>Oakes South</i> Colloquium: Satellite for 5G <i>Chair: Antonio Franchi, Telecommunications Future Projects, ESA, The Netherlands and Jean-Luc Agostini, Satellite Systems, MDA, Canada</i>
20:00 - 22:30	<i>Joint Conference Chairs Dinner (by Invitation)</i>

CONFERENCE PROGRAM OVERVIEW

Tuesday, October 16

08:00 - 08:30	<i>Oakes Foyer</i> Registration
08:30 - 08:40	<i>Oakes South</i> Opening Session: Welcome <i>Chair:</i>
08:40 - 09:15	<i>Oakes South</i> Keynote: Canada on Space by Iain Christie, Executive Vice President, Aerospace Industries Association of C
09:15 - 10:30	<i>Oakes South</i> Round Table: Commercial Space Applications: Can Private Enterprise Accommodate a New Deep space Network <i>Chair: Badri Younes, NASA HQ, USA</i>
10:30 - 11:00	<i>Coffee Break</i>
11:00 - 13:00	<i>Oakes South</i> Plenary Panel 1: Optical Technology and Systems <i>Chair: Pete Vrotsos, ZIN Technologies, USA</i>
13:00 - 14:30	<i>Lunch Break</i>
14:30 - 16:10	<i>Hennepin North</i> ICSSC 2: Cognitive Communications and Propagation Channel Optimization <i>Chair: Barry Evans, University of Surrey, United Kingdom and Amane Miura, NICT, Japan</i>
14:30 - 16:10	<i>Hennepin South</i> Ka 1: Navigation 1 <i>Chair: Marco Lisi, European Space Agency (ESA), The Netherlands</i>
14:30 - 16:10	<i>Oakes South</i> ICSSC 1: Multi-beam Satellite Systems <i>Chair: Tho Le-Ngoc, McGill University, Canada and David Burr, Comtech EF Data, United Kingdom</i>
14:30 - 15:50	<i>Peninsula</i> Ka 2: Ground Systems 1 <i>Chair: Richard T. Gedney, ACT Co., USA</i>
14:30 - 16:10	<i>Salon A</i> 16th BroadSky Workshop: 5G Covering Our Planet <i>Chair: Naoto Kadowaki, NICT, Japan</i>
16:10 - 16:30	<i>Coffee Break</i>
16:30 - 18:10	<i>Hennepin North</i> ICSSC 4: New Satellite System Architectures and Components <i>Chair: Chandra Kudisia, University of Waterloo, Canada and Liping Ai, George Washington University, USA</i>

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Hennepin South

16:30 - 18:10

Ka 3: Q/V Communication Experiments & Technologies I

Chair: Giuseppe Codispoti, Italian Space Agency (ASI), Italy and Juan Rivera Castro, ESA, the Netherlands

Oakes South

16:30 - 18:30

ICSSC 3: Flexible HTS Systems and Interference Mitigation Techniques

Chair: Tom Butash, Innovative Aerospace IS, USA

Peninsula

16:30 - 18:30

Ka 4: Ground Systems 2

Chair: Avi Freedman, SatixFy, Israel

Salon A

16:30 - 18:10

16th BroadSky Workshop: One More Asset for the 5th Generation 5G Covering Our Planet (contd)

Chair: Naoto Kadowaki, NICT, Japan

19:00 - 21:00

Joint Conference Welcome Cocktail Reception

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Wednesday, October 17

08:00 - 08:30	<i>Oakes Foyer</i> Registration
08:30 - 10:30	<i>Oakes South</i> Plenary Panel 2: Emerging New Markets in Aviation, Mobility and Autonomy <i>Chair: Marco Lisi, European Space Agency (ESA), The Netherlands</i>
08:30 - 10:30	<i>Salon A</i> 5th General Assembly Aldo Paraboni Experimenters Group <i>Chair: Carlo Riva, Polytechnic of Milan, Italy</i>
10:30 - 11:00	<i>Coffee Break</i>
11:00 - 12:00	<i>Hennepin North</i> ICSSC 6: VHF Data Exchange System <i>Chair: Nader Alagha, European Space Agency (ESA), The Netherlands</i>
11:00 - 12:20	<i>Hennepin South</i> Ka 5: Protocols <i>Chair: Mike Cascone, CPI, USA</i>
11:00 - 12:00	<i>Oakes South</i> ICSSC 5: High Speed Optical Communications and Feeder Links <i>Chair: Rajeev Gopal, Hughes Network Systems, USA and Mingchuan Yang, Harbin Institute of Technology, China</i>
11:00 - 12:20	<i>Peninsula</i> Ka 6: Optical Communications 1 <i>Chair: Naoto Kadowaki, NICT, Japan</i>
11:00 - 12:20	<i>Salon A</i> 5th General Assembly Aldo Paraboni Experimenters Group <i>Chair: Carlo Riva, Polytechnic of Milan, Italy</i>
12:20 - 14:00	<i>2018 Lunch Break - ICSSC Communications Award to John Baras - Speech by Michael Rack, MDA, Canada</i>
14:00 - 15:20	<i>Hennepin North</i> Ka 8: Navigation 2 <i>Chair: Flavio Sbardellati, European GNSS Agency, Czech Republic</i>
14:00 - 15:40	<i>Hennepin South</i> Ka 7: HTS Satellite Systems and Technologies <i>Chair: Tom Butash, Innovative Aerospace IS, USA</i>
14:00 - 15:40	<i>Oakes South</i> ICSSC 7: Mobile Satellite Systems and Bandwidth Efficient Techniques <i>Chair: Farbod Kayan, University of Luxembourg and Daniel Gratton, Canadian Space agency (CSA), Canada</i>

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14:00 - 15:20	<i>Peninsula</i> Ka 9: Special Topics <i>Chair: Arduino Patacchini, ARPASAT, France</i>
15:40 - 16:10	<i>Coffee Break</i>
16:10 - 18:10	<i>Hennepin North</i> Ka 11: HTS Onboard Processing, Payload Architectures and Technologies <i>Chair: Peter Garland, MDA Corp., Canada</i>
16:10 - 17:30	<i>Hennepin South</i> ICSSC 8: Transmitter and Modem Technologies <i>Chair: Nafiz Karabudak, Lockheed Martin, USA and Glyn Thomas, Airbus Defence and Space, United Kingdom</i>
16:10 - 17:10	<i>Oakes South</i> Ka 10: Small Satellite Systems and Technologies <i>Chair: Denise Ponchak, NASA Glenn Research Center, USA</i>
16:10 - 17:10	<i>Peninsula</i> Ka 12: Q/V Propagation <i>Chair: Carlo Riva, Polytechnic of Milan, Italy</i>
20:30 - 23:00	<i>Joint Conference Dinner</i>

CONFERENCE PROGRAM OVERVIEW

Thursday, October 18

Hennepin North

08:30 - 09:50

Ka 14: Propagation I

Chair: James Nessel, NASA GRC, USA

Hennepin South

08:30 - 09:50

Ka 13: Antennas 1

Chair: Rob Singh, SSL, USA

Oakes South

08:30 - 09:50

ICSSC 9: 5G and Satellite Network Integration

Chair: Jonathan Rodriguez, Institute of Communications of Aveiro (IT), Portugal

Peninsula

08:30 - 09:50

Ka 15: Navigation 3

Chair: Sarang Thombre, Finnish Geospatial Research Institute, Finland

09:50 - 10:20

Coffee Break

Hennepin North

10:20 - 11:40

Ka 17: Satellites and 5G

Chair: Marco Brancati, Telespazio, Italy

Hennepin South

10:20 - 12:00

Ka 16: Antennas 2

Chair: Glyn Thomas, Airbus Defence and Space, United Kingdom

Oakes South

10:20 - 11:20

ICSSC 10: Satellite Networks Design Challenges and Applications

Chair: Denise Ponchak, NASA Glenn Research Center, USA and Tony Stajcer, Honeywell, Canada

Peninsula

10:20 - 11:20

Ka 18: LEO Systems

Chair: Mario Caron, Former CRC, Canada

12:00 - 13:30

Lunch Break

Hennepin North

13:30 - 14:50

Ka 20: Optical Communications 2

Chair: Pete Vrotsos, ZIN Technologies, USA

Hennepin South

13:30 - 14:30

Ka 19: Earth Observation

Chair: Richard Reinhart, NASA GRC, UDS

Oakes South

13:30 - 15:00

ICSSC 11: Advances in Tunable Filters and Photonics Tutorial

Chair: Ifiok Otung, University of South Wales, United Kingdom and George Haddad, NASA, USA

15:00 - 15:20

Coffee Break

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Oakes South

15:20 - 17:20

Plenary Panel 3: Disruptive Change

Chair: Chris Hoerber, CFH Engineering, USA

Oakes South

17:40 - 17:50

Closing :

Chair: