

Monday, April 15, 2019 | Day 1

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| 08:15-09:45 | Registration Desk Opens |
| Room-Rembrandt 2 | |
| 09:45-10:00 | Introduction & Opening Ceremony |
| Day 1 Plenary | |
| 10:00-10:30 | Title: Secured SatCom - Command and control communications |
| | Timothy Sands Associate Dean, Naval Postgraduate School USA |
| Group Photo, Networking & Refreshment Break 10:30-10:45 @Foyer | |
| | Session Introduction |
| Major Sessions: Secured Satellite Communications Strategic Deterrence Laser Communication Nuclear Command and Control Satellite Communications Aerospace | |
| Session Chair: | Richard Mihalik Deputy Director Nuclear Operations USA |
| Keynote Forum | |
| 10:45-11:30 | Title: Keynote address - Nuclear Command and Control Communications |
| | Richard Mihalik Deputy Director Nuclear Operations USA |
| 11:30-12:15 | Title: Expedition Four to the International Space Station |
| | Daniel Bursch Former NASA astronaut, Chair Professor, Naval Postgraduate School USA |
| 12:15-12:45 | Title: SATCOM Past, Present and Future |
| | Matthew Crook Lecturer, Naval Postgraduate School Space Systems Academic Group USA |
| 12:45-13:15 | Title: Mesh Networking |
| | Alex Bordetsky Professor, Graduate School of Operational and Informational Sciences USA |
| Lunch Break 13:15-14:00 @Restuarant | |
| 14:15-14:30 | Title: Nuclear Command and Control using Quantum Key Distribution for Encrypted Communication |
| | Derek Hall Department of Mechanical and Aerospace Engineering USA |
| 14:30-15:00 | Title: Laser Communication |
| | Christopher Pace Department of Mechanical and Aerospace Engineering USA |
| 15:00-15:30 | Title: Russian strategic modernization |
| | IAN Kurtz Air Force Nuclear College, Department of Nuclear Studies, Air Force Institute of Technology USA |

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| 15:30-16:00 | Title: Relationship of MILSATCOM Architecture Acquisition and Program Requirements |
| | Erin Lopez Graduate School of Operational and Informational Sciences USA |
| Refreshment Break 16:00-16:15 @Foyer | |
| 16:15-17:45 | Title: Applying Kahn and Schelling Cold War principles to Cyber |
| | Jason Lang Missouri State University USA |
| 17:45-18:15 | Title: Increasing Intelligence Community Effectiveness |
| | John D. Dietz USA |
| 18:15-18:45 | Title: Expert Panel |
| | Bursch,,Mathers, Mihalik, Sands, Crook USA |
| Panel Discussion | |
| Tuesday, April 16, 2019 Day 2 | |
| Room-Rembrandt 2 | |
| Keynote Forum | |
| 10:00-10:45 | Title: Emerging Trends in Communication Satellites & Related Test Solutions |
| | Viswanathan Subramanian Market Segment Manager,Aerospace and Defense Germany |
| Networking & Refreshment Break 10:45-11:00 @ Foyer | |
| 11:00-11:45 | Title: The Satellite Revolution - when makers meet aerospace |
| | Romeo Kienzler Global Chief Data Scientist, DeepLearning/AI Engineer Switzerland |
| Major Sessions: Satellite Communications Information Systems OFDM Systems 5G and Beyond Aerospace Wireless Communications | |
| Session Introduction | |
| 11:45-12:15 | Title: Electromagnetic Pulse: Importance to Deterrence and Dissuasion |
| | Avery Snyder Maj, USAF,AIR UNIVERSITY USA |
| 12:15-12:45 | Title: Strategic Deterrence in the 21st Century: Dampening Momentum to Achieve Stability |
| | Christopher Thomas Kuklinski United States Strategic Command USA |
| 12:45-13:15 | Title: LEO based satellite IoT services: next gen IoT connectivity for the world |

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| | Hub Urlings Satellite Communications Innovation Addict Netherlands |
| Lunch Break 13:15-14:00@Restuarant | |
| 14:00-14:30 | Title: Recent PAPR Reduction Techniques for OFDM Systems Tetsuya Shimamura Dean, Saitama Univeristy Japan |
| 14:30-15:00 | Title: Real-Time Wireless Communications for Industrial Automation NajibOdhah Scientist,System Design Germany |
| 15:00-15:20 | Title:Design-print-mold-livewithit-How additive manufacturing can be part of massive production in a sustainable way of creation. Ioanna Tsigken University of Nicosia Greece |
| 15:20-15:40 | Title: The Development of Blockchain for Additive Manufacturing: Speeding Up the 3D Printing Industry Sudeep Giri Middle Georgia State University U.S.A |
| Refreshment Break 15:40-16:00 @Foyer | |
| Panel Discussion | |
| e-Poster | |
| SAT 01 | Title: A Non-Regular Icosahedron Geometry Satellite Form, Mirror Invested Polyhedroheliotope, for Optical Tracking Panagiotis Stefanides CHARTERED ENGINEER Greece |
| Panel Discussion | |
| Thanks Giving, Awards & Closing Ceremony | |