

ICNS 2021 Virtual Agenda

ICNS Agility and Sustainability: Embracing Rapid Evolution and Uncertainty

Time	Tuesday, 20 April	Wednesday, 21 April	Thursday, 22 April
0700 – 0800		Networking Opportunity via chat	Networking Opportunity via chat
Sponsor 10-minute Commercials			
0800 – 0810	Noblis	Stellar Solutions	Thales
0810 – 0820	LS Technologies	MITRE	Mosaic ATM
0820 – 0830	INMARSAT	L3Harris	Leonardo
0830 – 0840	WiMax	ASRI	Honeywell
0840 – 0850	Boeing	Airbus	Frequentis
0850 – 0900	Pre-program Messages		
Plenary Program			
	Day 1	Day 2	Day 3
	Global Harmonization New Opportunities and Unforeseen Issues	The Future Trajectory for ATC	Evolving ICNS Technologies for Drones, AAM, and Beyond
0900 - 0910	Conference Welcome and Announcements Dr. Gregory Woo, US DOT/Volpe Center	Conference Welcome and Announcements Dr. Gregory Woo, US DOT/Volpe Center	Conference Welcome and Announcements Dr. Gregory Woo, US DOT/Volpe Center
0910 - 0930	KEYNOTE: <i>The Netjets Story</i> Pascal Lhoest. Executive Director Netjets	0910 - 1000 KEYNOTE: <i>Solving for Uncertainty A Global Strategy for Agile Development</i> Stephen P. Creamer Director, Air Navigation Bureau International Civil Aviation Organization (ICAO)	0910 - 0920 Evolving ICNS Technologies for Drones, AAM, and Beyond Co-Chair Opening Remarks Dr. Lance Sherry Center for Air Transportation Research, George Mason University Denise Ponchak, NASA Glenn Research Center (Retired)
0930 - 0940	Global Harmonization-New Opportunities and Unforeseen Issues Co-Chair Opening Remarks Paul Bosman, Head of Infrastructure Division, Network Manager Directorate, EUROCONTROL Donald Ward, U.S. Commissioner ICAO	1000 - 1015 The Future Trajectory for ATC Co-Chair Opening remarks Michael Standar, Senior Aviation Advisor Steve Bradford, NextGen Chief Scientist, FAA	0920 - 1100 WORKSHOP: Evolving ICNS Technologies for Drones, AAM, and Beyond PANELISTS AND TOPICS: Requirements for UTM Andy Thurling Chief Technology Officer NUAIR UTM/LAANC Amit Gangoo Founder & CEO ANRA Technologies
0940 - 0955	Preparing the Future Didier Delibes Head of ATM deployment at Airbus		CNS Technologies for UTM Virginia Stouffer Aerospace Professional Transformational Technologies
0955 - 1010	Maximizing Performance and Preparing for the Future in Data Link by Leveraging Existing Equipage Greg Saccone Associate Technical Fellow Airspace Operational Efficiency Boeing Research & Technology		1015 - 1030 Singapore Future ATM Vision Wei Sean Ho, Deputy Director (ATM Integration and Capability Experimentation) Air Traffic Management Plans & Development Division, CAAS
1010 - 1025	Aviation Spectrum: Challenges and Future Considerations Andrew Roy Director of Engineering Services Aviation Spectrum Resources (ASRI)	1030 - 1045 A European Vision for ATM in the Future Marouan Chida, Head of Digital Transformation & Innovation at the SESAR JU	The Future of sUAS Avionics Christian Ramsey President uAvionix
1025 - 1040	RF Interference Issues and Complimentary PNT Solutions Ken Alexander Chief Scientific and Technical Advisor for Satellite Navigation Systems - FAA	1045 - 1100 ICAO and Industry Actions on Integrated CNS - How to kick-start evolution in an over-regulated world Loftur Jonasson, Chief/CNSS ICAO	
1040 - 1055	1030/1090 MHz Over-Interrogation Eric Potier Head of RF & Surveillance Avionics Section, EUROCONTROL		

ICNS 2021 Virtual Agenda–continued
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Plenary Program –continued			
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	Global Harmonization New Opportunities and Unforeseen Issues	The Future Trajectory for ATC	Evolving ICNS Technologies for Drones, AAM, and Beyond
1055 - 1110	Geolocating GPS interference Nuno Vilaça, International Sales Director at HawkEye 360	1100 - 1115	1100 - 1150
1110 - 1130	Q&A	Blue Skies Initiative Gene Hayman, Director of Government Services Collins Aerospace	Q&A + Open Discussion
1130 - 1150	AWARDS CEREMONY MC: Chiemi Heil, US DOT - Volpe Center	1115 - 1130	
	Student Paper Awards Dr. Lance Sherry, George Mason University	NAS Vision 2035 Steve Bradford, NextGen Chief Scientist, FAA	
1150 - 1200	Sponsor Commercials		
	NASA	Avionics International Afuzion	Boeing RTCA
Technical Program			
The following represent twelve outstanding papers (two for each of six tracks) selected for presentation during the virtual technical program. The papers will be presented as a pre-recorded video, BUT the author/presenter will be available during the conference for live Q&A right after the video is played.			
1200 – 1230	Track 4, CNS: Paper 110 <i>Feasibility of the Frequency Planning for LDACS Air-to-Air Communications in the L-band</i> [Miguel A. Bellido-Manganell, German Aerospace Center (DLR)]	Track 3, ATM: Paper 119 <i>Evaluation of the Four-Dimensional Trajectory Live Flight Demonstration (4DT LFD) Project</i> [John Biel-Goebel, Concepts Beyond]	Track 2, UAS: Paper 112 <i>MALE RPAS Integration into European Airspace: Part 1</i> [Emmanuel Sunil, Royal Netherlands Aerospace Centre (NLR)]
1230 – 1300	Track 4, CNS: Paper 104 <i>Performance-optimizing Secure GBAS over LDACS</i> [Thomas Gräupl, German Aerospace Center (DLR)]	Track 3, ATM: Paper 156 <i>Use of Conflict Space Depiction for Detect and Avoid: History, Rationale and State-of-the-Art</i> [Erik Theunissen, Netherlands Defence Academy]	Track 2, UAS: Paper 174 <i>Decentralized Air Traffic Management for Advanced Air Mobility</i> [Italo Romani de Oliveira, Boeing Research & Technology]
1300 – 1330	Track 1, Cyber: Paper 146 <i>Anomaly Detection In ATM-Grade Software Defined Networks</i> [Philipp Lellek, Frequentis AG]	Track 6, Special Topics: Paper 125 <i>Urban Air Mobility Demand Estimation For Airport Access: A Los Angeles International Airport Case Study</i> [Mihir Rimjha, Virginia Tech]	Track 5, AI/ML: Paper 169 <i>Geospatial Object Detection using Machine Learning-Aviation Case Study</i> [Durga Prasad Dhulipudi IIIT-H, Honeywell]
1330 – 1400	Track 1, Cyber: Paper 140 <i>Characteristics Of IPS Control Plane Data and Security Consideration</i> [Madhu Niraula, Collins Aerospace]	Track 6, Special Topics: Paper 126 <i>Urban Air Mobility: Factors Affecting Vertiport Capacity</i> [Mihir Rimjha, Virginia Tech]	Track 5, AI/ML: Paper 102 <i>Helicopter Track Identification with Autoencoder</i> [Liya Wang, The MITRE Corporation]
1400 - 1410	General Chair's Closing Remarks	General Chair's Closing Remarks	General Chair's Closing Remarks
Sponsor Presentations			
1410 – 1430	Boeing	Airbus	End of Live Conference Programming
	Frequentis	WiMAX	
1430 – 1530	Networking Opportunity via chat	Networking Opportunity via chat	