

DAY 3 (15th Dec, 2021)

<p>10-11am (ET); 7-8am (PT); 4-5pm (CET); 12-1am, 16th Dec (JST)</p>	<p align="center">Keynote: Nick Laneman</p>			
<p>11am-12:30pm (ET); 8-9:30am (PT); 5-6:30pm (CET); 1-2:30am, 16th Dec (JST)</p>	<p>Session 7</p>	<p>Novel Network Architectures</p>		<p>Authors</p>
<p>Paper 1</p>	<p>1570767151</p>	<p>Complex Rotation-Based Linear Precoding for Physical Layer Multicasting and SWIPT</p>	<p>US</p>	<p>Xinliang Zhang and Mojtaba Vaezi (Villanova University, USA)</p>
<p>Paper 2</p>	<p>1570767316</p>	<p>Spectrum Regulation in the Airborne Era: The Viewpoint of UAS-Based Services in 5G</p>	<p>FI</p>	<p>Pekka Ojanen (Co-Worker Technology Finland, Finland); Seppo Yrjölä (Nokia & Centre for Wireless Communications, University of Oulu, Finland)</p>
<p>Paper 3</p>	<p>1570774693 (moved from session 8)</p>	<p>Optimal Resource Allocation in Aerial Reconfigurable Intelligent Surface-Aided Communications for Beyond 5G</p>	<p>GB</p>	<p>Minh-Hien T. Nguyen (Queen's University Belfast, United Kingdom (Great Britain)); Emiliano Garcia-Palacios (Queens University Belfast, United Kingdom (Great Britain))</p>
<p>Paper 4</p>	<p>1570774836 (moved from session 9)</p>	<p>Autoencoder-Based Communications with Reconfigurable Intelligent Surfaces</p>	<p>US</p>	<p>Tugba Erpek (Virginia Tech, USA); Yalin E Sagduyu (Intelligent Automation, Inc., USA); Ahmed Alkhateeb (Arizona State University, USA); Aylin Yener (Pennsylvania State University, USA)</p>

12:30-2:00pm (ET); 9:30-11am (PT); 6:30-8pm (CET); 2:30-4am, 16th Dec (JST)	Session 8	Special Session: ML Network Automation and Control (Chairs: Berk Canberk, Leonardo Badia)		Authors
Paper 1	1570770515	Federated Deep Reinforcement Learning for the Distributed Control of NextG Wireless Networks	US	Peyman Tehrani (University of California Irvine, USA); Francesco Restuccia (Northeastern University, USA); Marco Levorato (University of California, Irvine, USA)
Paper 2	1570774728	Joint Compression and Offloading Decisions for Deep Learning Services in 3-Tier Edge Systems	US	Minoo Hosseinzadeh and Nathaniel Hudson (University of Kentucky, USA); Xiaobo Zhao (Uppsala University, Sweden); Hana Khamfroush (University of Kentucky, USA); Daniel E. Lucani (Aarhus University, Denmark)
Paper 3	1570775005	Unveiling the Wireless Network Limitations in Federated Learning	TR	Mumtaz Cem Eris (Istanbul Technical University, Turkey & Maxitech, USA); Burak Kantarci (University of Ottawa, Canada); Sema Oktug (Istanbul Technical University, Turkey)
Paper 4	1570775055	SDR Assisted Hybrid Routing and Channel Selection Framework for FANETs	TR	Sultan oğay, Talip Tolga Sarı and Gokhan Secinti (Istanbul Technical University, Turkey)
Paper 5	1570775112	Low-Cost Monitoring Device for Cold-Chain Using Edge Computing	BR	Lucas de Araújo Wanderley Romeiro (University of Brasília & Vitae, Brazil); Daniel Café and Demétrio Filho (UNB, Brazil); Felipe Vasconcellos (UFBA, Brazil)

2:00-3:30pm (ET); 11am-1:30 pm (PT); 8-9:30pm (CET); 4-5:30am, 16th Dec (JST)	Session 9	Special Session: RF ML (Chair: Scott Kuzdeba)		Authors
Paper 1	1570765763	IoTGAN: GAN Powered Camouflage Against Machine Learning Based IoT Device Identification	US	Tao Hou (University of South Florida, USA); Tao Wang (New Mexico State University, USA); Zhuo Lu and Yao Liu (University of South Florida, USA); Yalin E Sagduyu (Intelligent Automation, Inc., USA)
Paper 2	1570769878	Multi-Antenna Pre-Processing for Improved RFML in Congested Spectral Environments	US	Regan Williamson and William C Headley (Virginia Tech, USA); Joseph Gaeddert (Virginia Polytechnic Institute and State University, USA); Louis Beex (Advisor, USA); Alan J Michaels (Virginia Tech & Hume Center for National Security and Technology, USA); William Clark IV, James McCollum, Thomas Krauss, Derek Jenkins, Lauren Lusk, Megan O Moore, Tori Villemez, Daniel Jakubisin and Alexandra Poetter (Virginia Tech, USA)
Paper 3	1570771347	Robust Neural Network-Based Spectrum Occupancy Mapping	US	Abbas Termos (University of Notre Dame, USA); Bertrand Hochwald (Notre Dame University, USA)
Paper 4	1570771557	Real-Time Wireless Transmitter Authorization: Adapting to Dynamic Authorized Sets with Information Retrieval	US	Samurghi Karunaratne and Samer Hanna (University of California, Los Angeles, USA); Danijela Cabric (University of California Los Angeles, USA)

Paper 5	1570773907	Neural Network Signal Processing for LTE Receiver Application	US	Amit Bhatia (BAE Systems, USA); Joshua Robinson (BAE Systems, Inc., USA); Joseph Carmack, John Majewski and Scott Kuzdeba (BAE Systems, USA); Joe Farkas, Brandon Hombs and Tom Koch (Signal Processing Technologies, USA)
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