

DAY 1 (13th Dec, 2021)

<p>9:45-10am (ET); 6:45-7am (PT); 3:45-4pm (CET); 11:45 pm-12am (JST)</p>	<p align="center">Opening Session</p>			
<p>10-11am (ET); 7-8am (PT); 4-5pm (CET); 12-1am, 14th Dec (JST)</p>	<p align="center">Keynote: Ness Shroff</p>			
<p>11am-12:30pm (ET); 8-9:30am (PT); 5-6:30pm (CET); 1-2:30am, 14th Dec (JST)</p>	<p>Session 1</p>	<p>ML for Spectrum Sensing and Access</p>		<p>Authors</p>
<p>Paper 1</p>	<p>1570766656</p>	<p>Deep Learning for Radar Signal Detection in the 3.5 GHz CBRS Band</p>	<p>US</p>	<p>Raied Caromi (National Institute of Standard and Technology, USA); Alex Lackpour (Drexel University, USA); Kassem Kallas, Thao Nguyen and Michael R. Souryal (National Institute of Standards and Technology, USA)</p>
<p>Paper 2</p>	<p>1570767639</p>	<p>A Lightweight Decentralized Reinforcement Learning Based Channel Selection Approach for High-Density LoRaWAN</p>	<p>JP</p>	<p>Aohan Li, Minoru Fujisawa, Ikumi Urabe and Ryoma Kitagawa (Tokyo University of Science, Japan); Song-Ju Kim (Keio University, Japan); Mikio Hasegawa (Tokyo University of Science, Japan)</p>
<p>Paper 3</p>	<p>1570770048</p>	<p>A Q-Learning-Based Approach for Distributed Beam Scheduling in mmWave Networks</p>	<p>US</p>	<p>Xiang Zhang and Shamik Sarkar (University of Utah, USA); Arupjyoti (Arup) Bhuyan (INL, USA); Sneha Kumar Kasera and Mingyue Ji (University of Utah, USA)</p>

Paper 4	1570771245	Evaluating Deep Learning Networks for Modulation Recognition	US	Tina L Burns (Rutgers University, USA); Dragoslav Stojadinovic (Kryptowire LLC, USA); Ryan Davis (Rutgers University, USA); Ivan Seskar (WINLAB, Rutgers University, USA); Richard Martin (Rutgers University, USA); Jorge Ortiz (The State University of New Jersey, USA); Miguel Camelo
Paper 5	1570771389	A Spectrum Sharing System: Visualized Interference Classification and CNN Approach	KR	Hyelin Nam, Kyuwon Han, Jihoon Park, Han Cha and Seong-Lyun Kim (Yonsei University, Korea (South))
12:30-2:00pm (ET); 9:30-11am (PT); 6:30-8pm (CET); 2:30-4am, 14th Dec (JST)	Session 2	Special Session I: Conquering The Spectrum Above 100GHz (Chairs: Josep Miquel Jornet, Chong Han)		Authors
Paper 1	1570765538	Jamming at Terahertz Frequencies: A Theoretical and Numerical Study	US	Hichem Guerboukha, Rabi Shrestha and Zhaoji Fang (Brown University, USA); Edward W. Knightly (Rice University, USA); Daniel Mittleman (Brown University, USA)
Paper 2	1570771238	Ultrabroadband Spread Spectrum Techniques for Secure Dynamic Spectrum Sharing Above 100~GHz Between Active and Passive Users	US	Christopher Bosso (University at Buffalo, USA); Priyangshu Sen, Xavier Cantos-Roman and Claire Parisi (Northeastern University, USA); Ngwe Thawdar (Air Force Research Laboratory, USA); Josep M Jornet (Northeastern University, USA)
Paper 3	1570771293	Rate-Optimizing Beamsteering for Line-Of-Sight Directional Radios with Random Scheduling	US	Sayanta Seth, Hassan Yazdani, Murat Yuksel and Azadeh Vosoughi (University of Central Florida, USA)

Paper 4	1570775428	Joint Sensing, Control, and Communication Scheduling for THz Beam Alignment in Cellular Connected UAV Networks	CN	Bo Chang (University of Electronic Science and Technology of China (UESTC), China); Zhi Chen, Wei Tang, Lingxiang Li, Hao Zhang and Xiaoyang Liao (University of Electronic Science and Technology of China, China)
Paper 5	1570775430	Stochastic Geometry Framework for THz Satellite-Airplane Network Analysis	FI	Joonas Kokkonemi (University of Oulu, Finland); Josep M Jornet (Northeastern University, USA); Markku Juntti (University of Oulu, Finland)
2:00-3:30pm (ET); 11am-1:30 pm (PT); 8-9:30pm (CET); 4-5:30am, 14th Dec (JST)	Session 3	Passive User Sensing and Protection		Authors
Paper 1	1570765400	Performance of Real-Time Geospatial Spectrum Sharing (RGSS) Between 5G Communication Networks and Earth Exploration Satellite Services	US	Elliot Eichen (Choyu Networks & Retired - Director, Advanced Product Development Verizon, USA)
Paper 2	1570766651	Optimal Channel Allocation in the CBRS Band with Shipborne Radar Incumbents	US	Naru Jai, Shaoran Li, Chengzhang Li, Thomas Hou, Wenjing Lou and Jeffrey Reed (Virginia Tech, USA); Sastry Kompella (Naval Research Laboratory, USA)
Paper 3	1570770329	A Property-Rights Mismatch Approach to Passive-Active Spectrum Use Coexistence	US	Martin B.H. Weiss, Ali Palida, Ilia Murtazashvili and Prashant Krishnamurthy (University of Pittsburgh, USA); Philip Erickson (MIT, USA)
Paper 4	1570771337	Spectrum Sharing via Collaborative RFI Cancellation for Radio Astronomy	US	Maqsood Abdul Careem, Shuvam Chakraborty, Dola Saha and Aveek Dutta (University at Albany, SUNY, USA); Gregory Hellbourg (California Institute of Technology, USA)