



BWAC IAB MEETING

May 5-6, 2020

Virtual Meeting Via Zoom

bwac.arizona.edu

TUESDAY, MAY 5

NOTE: TIMES SHOWN BELOW ARE PACIFIC

TIME		TITLE	PRESENTER
8:00 AM	8:20 AM	Opening Remarks & Meeting Logistics, and Center Status Update	Marwan Krunz , University of Arizona
8:20 AM	8:35 AM	Remarks from the National Science Foundation I/UCRC Program Director	Behrooz Shirazi , NSF
8:35 AM	8:45 AM	Explanation of LIFE Forms	Eric Sundstrom , National Science Foundation
8:45 AM	9:35 AM	Q&A for Pre-recorded Project Outcomes of Completed Projects (10 projects @ 5 min/project)	PIs of 2019/2020 Projects
9:35 AM	9:50 AM	MAB-based Beam Tracking and Beamwidth Adaptation in Dynamic mmWave Networks	Irmak Aykin , University of Arizona
9:50 AM	10:00 AM	Short Break	
10:00 AM	11:00 AM	Keynote: “6 GHz: The New Unlicensed Frontier”	Monisha Ghosh , Chief Technology Officer, FCC
11:00 AM	11:30 AM	Lunch Break (for attendees on MT, CT, and ET)	
Session I – Proposed Projects			
11:30 AM	11:45 AM	Evaluation of 3D-Printed Substrates and RF Devices	Elliott Hutchcraft , University of Mississippi

11:45 PM	12:00 PM	Unsupervised Learning Based Hybrid Beamforming Design and Massive MIMO Beamforming Network Resource Allocation and Virtualization (Collaborative: University of Arizona & Catholic University of America)	Ture Peken , University of Arizona and Hang Liu , Catholic University of America
12:00 PM	12:15 PM	Receiver Localization in M-MIMO Beamforming Networks	Sharif Khalil , Catholic University of America
12:15 PM	12:30 M	Progress Update on the AERPAW PAWR Platform	Ismail Guvenc , North Carolina State University
12:30 PM	12:45 PM	Short Break	
Session II – Proposed Projects			
12:45 PM	1:00 PM	Machine-Learning Based Waveform Classification and Channel Access in Congested and Contested Spectrum	Mingjie Feng , University of Arizona
1:00 PM	1:15 PM	Decoupling and Cloaking of Interleaved Planar Phased Antenna Arrays for 5G Application	Shefali Pawar , University of Mississippi
1:15 PM	1:30 PM	Machine Learning for Ultra-reliable and Low Latency Communications (URLLC)	Ravi Tandon and Tamal Bose , University of Arizona
1:30 PM	1:45 PM	Ad Hoc Cooperative Edge Computing Platform (Collaborative: Catholic University of America & University of Arizona)	Hang Liu , CUA, and Marwan Krunz , Univ. of Arizona
1:45 PM	2:00 PM	Indoor Base Station/Reflector Placement and Sleep Mode Optimization for mmWave Networks	Fatih Erden , North Carolina State University

WEDNESDAY, MAY 6

8:00 AM	9:00 AM	IAB Business Meeting (<i>closed session</i>) *
9:00 AM	10:00 AM	IAB Technical Feedback on Proposed Projects (<i>closed session</i>) **

*** Session limited to IAB members**

**** Session limited to IAB members, site directors, and BWAC faculty**