



BWAC IAB MEETING

Nov. 8-9, 2018

University of Arizona Student Union
Tucson, AZ

bwac.arizona.edu

WEDNESDAY, NOV. 7

TIME		TITLE
7:00 PM	9:00 PM	Welcome Reception UA Student Union

THURSDAY, NOV. 8

TIME		TITLE	SPEAKER
7:30 AM	8:00 AM	Registration & Breakfast	
8:00 AM	8:15 AM	Opening Remarks & Meeting Logistics	Marwan Krunz & Tamal Bose , University of Arizona
8:15 AM	8:30 AM	Center Update	Marwan Krunz , Center Director, University of Arizona
8:30 AM	8:40 AM	Welcome Remarks	Larry Head , Interim Dean, College of Engineering, University of Arizona
8:40 AM	9:40 AM	<i>Keynote:</i> TBD	Amitava Ghosh , Nokia Bell Labs
9:40 AM	9:50 AM	Explanation of LIFE Forms and Project Feedback/Voting Process	Denis Gray , NSF Evaluator
9:50	10:05	Coffee Break	
Session I			
10:05 AM	10:35 AM	Low-SWaP Millimeter Wave Aerial Reconnaissance	John Chisum, University of Notre Dame

10:35 AM	11:05 AM	Beamforming for Network Discovery & Tracking in mmW Wireless Systems	Irmak Aykin, Berk Akgun, and Marwan Krunz, University of Arizona
11:05 AM	11:35 AM	Receiver Localization in Massive MIMO Beamforming Networks	Sharif Khalil, Catholic University of America
11:35 AM	12:05 PM	V2X: Challenges and opportunities	Jerry Park, Virginia Tech
12:05 PM	1:20 PM	Lunch	
Session II			
1:20 PM	1:50PM	Performance analysis of a BLE scanning system deployed in a factory environment	John Daigle, University of Mississippi
1:50 PM	2:10 PM	Drone-to-Drone Wireless Protocols for Distributed Detect-and-Avoid	J. Nicholas Laneman, University of Notre Dame
2:10 PM	2:30 PM	A Framework for Task Assignment in Mobile Edge Computing Networks	Eric Hsieh, Catholic University of America
2:30 PM	2:50 PM	Modeling and Optimization for Cooperative Mobile Edge Computing	Yong Xiao and Marwan Krunz, University of Arizona
2:50 PM	3:10 PM	Proposal for a New Site - NCSU	Ismail Guvenc, North Carolina State University
3:10 PM	3:25 PM	Coffee Break	
Session III			
3:25 PM	3:45 PM	Decoupling Phased Antenna Arrays with Confocal Elliptical Metasurface Cloaks	Alexander Yakovlev, University of Mississippi
3:45 PM	4:05 PM	Performance analysis of LAA and WiFi Coexistence in Dual Carrier Aggregation based on Markov Chain	Sudat Tulahdar, Lei Cao, R. Viswanathan, University of Mississippi
4:05 PM	4:25 PM	Hybrid Beamforming in mmW Massive MIMO Systems	Ture Peken, University of Arizona
4:25 PM	4:45 PM	Massive MIMO Power Allocation in mmWave Cellular Networks with Size-Limited Queue	Son Dinh, Catholic University of America
Session IV			

4:45 PM	6:15 PM	Poster Sessions & Cocktail Hour
6:15 PM	7:30 PM	Dinner and Best-paper Awards

FRIDAY, NOV. 9

8:00 AM	8:30 AM	Breakfast
8:30 AM	9:30 AM	Industry Panel: Emerging 5G Use Cases
9:30 AM	10:30 AM	IAB Technical Input on Presented Projects (<i>closed session</i>)
10:30 AM	11:30 AM	IAB Business Meeting (<i>closed session</i>)
11:30 AM	12:00 PM	IAB Feedback to BWAC Leadership Team (<i>closed session</i>)
12:00 PM	1:00 PM	Lunch
1:00 PM	2:30 PM	Trip to Desert Museum

Remark: Closed-sessions on Day 2 are limited to IAB members, Site directors, and BWAC faculty