



BWAC IAB MEETING

Nov 8-9, 2021

Hybrid (in-person and Zoom)

Venue: Talley Student Union, NC State University

Online Registration: bwac.arizona.edu

NOTE: TIMES SHOWN ARE BASED ON EASTERN DAILIGHT TIME (EDT)

SUNDAY, NOV. 7

TIME		TITLE
6:00 PM	8:00 PM	Welcome Reception (StateView Hotel – Outdoor Patio)

MONDAY, NOV. 8 (MOUNTAINS AND PIEDMONT BALLROOM)

TIME		TITLE	PRESENTER
9:00 AM	10:00 AM	Registration & Breakfast	
10:00 AM	10:10 AM	Opening Remarks and Meeting Logistics	Marwan Krunz, UA, Center Director & Ismail Guvenc, NCSU, Site Director
10:10 AM	10:20 AM	Welcome from NC State University	Jon Horowitz, Associate Vice Chancellor of Research Infrastructure and Development, NCSU
10:20 AM	10:40 AM	NSF I/UCRC Program Updates	Behrooz Shirazi, Program Director, NSF
10:40 AM	10:55 AM	Center Status Updates	Marwan Krunz, Center Director, UA
10:55 AM	11:35 AM	Keynote 1: TBD	TBD
Projects Update– Session I, Chair: Tamal Bose, University of Arizona (presenters' names indicated with '*')			
TIME		TITLE	INVESTIGATORS
11:35 AM	11:50 AM	Edge-Assisted Cooperative Perception and Augmented Reality	Li-Tse Hsieh*, Cheng-Yu Cheng, Hang Liu*, and Marwan Krunz (CUA and UA)

11:50 AM	12:05 PM	Adaptive 3D Point Cloud Compression and Transmission	Mai Bui*, Lin-Ching Chang*, and Hang Liu (CUA)
12:05 PM	12:20 PM	Machine Learning Based Localization and Beamwidth Adaptation in Multi-BS Scenarios	Sopan Sarkar* and Marwan Krunz* (UA)
12:20 PM	12:35 PM	New Project Proposal	TBD
12:35 PM	1:35 PM	Lunch Break	
1:35 PM	2:15 PM	Keynote 2:	TBD

Projects Updates– Session II, Chair: Hang Liu, CUA (presenter’s name indicated with ‘’)**

TIME		TITLE	INVESTIGATORS
2:15 PM	2:30 PM	Ongoing Investigation of 3D-Printing RF Devices	Bibek Kattel*, W. Elliott Hutchcraft, and Richard K. Gordon (UMiss)
2:30 PM	2:45 PM	Miniaturized GRIN Lenses Using 3D Printed Ceramics	Yongduk Oh* and Jacob Adams (NCSU)
2:45 PM	3:00 PM	Machine-Learning Based Waveform Classification in Shared Spectrum	Wenhan Zhang* and Marwan Krunz* (UA)
3:00 PM	3:25 PM	Propagation Measurements and Modeling with Transparent Reflectors at Sub-6 (3.6-6 GHz) and mmWave (28 GHz) in Indoor Environments	Ashwini Ganesh, Kris Ridenour, Ozgur Ozdemir, Chethan K. Anjinappa, Ismail Guvenc (NCSU)
3:25 PM	3:40 PM	Short Break	

Projects Updates and Proposal– Session III, Chair: Marwan Krunz, University of Arizona (presenter’s name indicated with ‘’)**

TIME		TITLE	INVESTIGATORS
3:40 PM	3:55 PM	Distributed Massive MIMO for 6G Applications	Noel Teku, Tamal Bose*, and Ravi Tandon (UA)
3:55 PM	4:10 PM	Metasurface Cloaks for Reduction of Mutual Coupling in Printed and Slotted Antennas and Antenna Arrays	Shefali Pawar* and Alexander Yakovlev (UMiss)
4:10 PM	4:25 PM	Machine Learning-based Fast and Reliable Decoders for URLLC	Sudarshan Adiga*, Ravi Tandon*, Tamal Bose (UA)
4:25 PM	4:40 PM	AERPAW Update (<i>Tentative</i>)	Ismail Guvenc* (NCSU)
4:40 PM	4:50 PM	Short Break	

4:50 PM	6:00 PM	Poster Session- Breakout Rooms
6:00 PM	7:00 PM	Dinner and Best Poster Awards

TUESDAY, NOV 9, 2021

9:00 AM	10:00 AM	Breakfast
10:00 AM	11:00 AM	IAB Business Meeting (closed session)
11:00 AM	12:00 PM	IAB Technical Input on Presented Projects and Feedback to BWAC Leadership (IAB members, BWAC directors, and BWAC faculty)
12:00 PM	1:00 PM	Lunch and Adjourn*

(* After lunch, **AERPAW Fall 2021 Event** will start with a tour of the Lake Wheeler Field Labs and a drone demo. For details of the AERPAW event, please check aerpaw.org