



COSMOS EXPERIMENTERS WORKSHOP – FINAL AGENDA

RUTGERS BUSINESS SCHOOL

ROCKAFELLER RD, ROOM 2071, Piscataway Township, NJ 08854

MAY 21, 2019

AM SESSION – SHORT TALKS FROM THE RESEARCH COMMUNITY ON EXPERIMENTAL IDEAS/PLANS (...EACH TIME SLOT INCLUDES 5 MIN FOR INTERACTIVE DISCUSSION OF TESTBED REQUIREMENTS)

8:30 – 9:00 AM	CONTINENTAL BREAKFAST AND CHECK IN – ROOM 2018 LOUNGE	
9:00 – 9:10 AM	Welcome and Introduction	D. Raychaudhuri – Rutgers
9:10 – 9:25 AM	Cross-layer Optimization of Massive MIMO mmWave Networks	Hang Liu – Catholic University
9:25 – 9:40 AM	Experimental Evaluation of Dynamic Spectrum Access	Koushik Sinha – Southern Illinois University
9:40 – 10:00 AM	WiFi Goes to Town	Kyle Jamieson & Jack Brassil – Princeton University
10:00 – 10:20 AM	Experimental Research on 5G and Beyond	Johan Lundsjo – Ericsson Research
10:20 – 10:35 AM	Clean-G Virtual Mobile Core Network	K.K. Ramakrishnan – UC Riverside
10:35 – 10:50 AM	BREAK – ROOM 2018 LOUNGE	
10:50 – 11:10 AM	Experimentation with Zero-client Based Virtual and Remote Desktop Services	Malathi Veeraraghavan – University of Virginia
11:10 – 11:30 AM	Super-resolution Panoramic Video Streaming on Low-latency Wireless Networks	Samir Das – SUNY Stony Brook
11:30 – 11:50 AM	Measuring Communication Latency for Persistent Augmented Reality	Jiasi Chen – UC Riverside
11:50AM-12:10PM	Edge Cloud for Compute Intensive Mobile Applications	Wenjun Hu - Yale
12:10 – 12:30 PM	Evaluating Network Automation Standards for 5G	Rittwik Jana – AT&T Labs
12:30 – 1:30 PM	LUNCH – ROOM 2018 LOUNGE	

PM SESSION (1:30-5:00PM): COSMOS TUTORIALS AND DEMOS

IVAN SESKAR – RUTGERS UNIVERSITY
GIL ZUSSMAN – COLUMBIA UNIVERSITY

1. Getting Started
2. Using OMF for Experiment Management
3. Configuring and Executing a COSMOS Experiment
4. Measurement Tools
5. Sample Experiment Code
6. COSMOS Experiment Demos:
 - a. Education Toolkit Panagiotis Skrimponis – NYU
 - b. Full-duplex Radio Tingjun Chen – Columbia University
 - c. Optical Path Management Craig Gutterman – Columbia University,
Artur Minakhmetov – Telecom ParisTec
Michael Sherman – Rutgers University
 - d. Edge Cloud Latency for AR/VR Wuyang Zhang & Sumit Maheshwari – Rutgers University
 - e. Smart Intersection Zoran Kostic – Columbia University

