



**NSF I/UCRC Center for Fiber Wireless Integration and Networking
for Heterogeneous Mobile Data Communications
Industrial Advisory Board Virtual Meeting,
November 18-19, 2020**

Day 1, 8:00-10:45pm, November 18, 2020, U.S. Eastern Standard Time

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| 8:00 – 8:10 pm | Opening Remarks, NSF I/UCRC Program Director, Alex Shirazi |
| 8:10 – 8:30 pm | FiWIN Center Vision and Status Report:
Prof. G.-K. Chang, Georgia Tech; Prof. Shiwen Mao, Auburn Univ. |
| 8:30 – 10:30 pm | FiWIN Project presentations: Research Results |
| 8:30 – 8:45 pm | GS 18-1, “Orthogonal Chirp Division Multiplexing: An Advanced Multi-carrier System for Delivering Heterogeneous reliable 5G Services,” Shahmeer Omar, Xiaoli Ma |
| 8:45 – 9:00 pm | GS 18-2, “Network Slicing in Agile Fiber Wireless Access Networks,” Shuang Yao |
| 9:00 – 9:15 pm | GF 18-2 “Digital millimeter wave beamformer for reliable and dynamic 5G Mobile Fronthaul,” Shang-Jen Su, Dicky Hsu |
| 9:15 – 9:30 pm | GS 19-1 “Channel adaptation and noise characterization for high performance data communication systems,” Rui Zhang |
| 9:30 – 9:45 pm | GS 19-3 “Proactive Interference detection and mitigation through deep reinforcement learning in 5G New Radio Networks,” Qi Zhou |
| 9:45 -10:00 pm | GAF 19-1, “Adaptive Scheduling and Resource Allocation Based on Deep Reinforcement Learning for MMW Radio Access Network,” Zoe Shen, Georgia Tech; Ticao Zhang, Auburn University |
| 10:00 - 10:15 pm | GF 19-3, “Enabling Data-intensive, Latency-sensitive Applications at the Mobile Edge,” Harshit Gupta, College of Computing; Yahya Alfadhli, College of Engineering, Georgia Tech |
| 10:15 - 10:30 pm | AF 19-4, “5G Spectrum Awareness Testbed,” Andrea Walker, Mark Adams, Auburn University |
| 10:30 – 10:45 pm | Wrap-up discussion |
| 10:45pm | Meeting Adjourned, First Day |



Day 2: 8-10 pm, Thursday, November 19, 2020, U.S. Easter Standard Time

- 8:00 – 8:40 pm Project Feedback (All participants)**
- 8:40 – 9:10 pm Center Review and Discussions with Directors on projects progress and financial status updates
(IAB Members, Center Director, Assessment Coordinator)
- 9:10 – 9:40 pm IAB Closed Meeting, (Members and NSF only)
- Final discussion of topics formative IAB meeting,
 - Member Benefits Inventory
- 9:40 - 10:00 pm IAB Report Out, Discussion, Action Items
(IAB Members, Center Directors and NSF)
- 10:00 pm IAB Meeting Adjourned**