



**NSF I/UCRC Center for Fiber Wireless Integration and Networking (FiWIN)
for Heterogeneous Mobile Data Communications**

Industrial Advisory Board Meeting,

May 10-12, 2017

Georgia Institute of Technology

Centergy One, 75 5th Street NW, Atlanta, GA 30308

Wednesday, May 10, 2017

- 6:15 pm Please go directly to Gordon Biersch Brewery & Restaurant listed below or meet at the entrance of Centergy ONE, Tech Square if you need a ride 75 5th Street NW, Atlanta, GA 30308
- 6:30 pm Dinner Reception at Gordon Biersch Brewery and Restaurant, 848 Peachtree St NE, Atlanta, 30308 (map attached in this agenda)

Thursday, May 11, 2016

Centergy Conference Room #1010, Centergy ONE,
75 Fifth Street, NW Atlanta, GA 30308

- 7:45 am Participant Registration
- 7:45 - 8:15 am Breakfast and Networking
- 8:15 - 8:30 am Welcome Remarks: Stephen Cross, EVP for Research, Georgia Tech Chair, School of ECE, Steven McLaughlin
- 8:30 - 9:00 am Vision and center status report:
Center Director, G.-K. Chang (GT) and Site Director, Chris Davis (UMD)
- 9:00 - 9:45 am NSF I/UCRC Presentation: Demetri Perkins, I/UCRC Program Director
LIFE Forms Evaluation: Stephen McGregor, Assessment Coordinator
- 9:45 – 9:55 am BREAK
- 9:55 – 12:00 pm Research Results Presentations:**
- 9:55 -10:20 am GF15-3 "Fiber-Wireless Access Technologies for 5G Mobile Cell
Densification and Spectral Aggregation", Zoe Shen, Mu Xu, Dan Guidotti
- 10:20 -10:45 am GF15-4 "Geo-Distributed, Multi-RAT Coverage and Coordination in
Intelligent Heterogeneous Mobile Data Networks",
Lin Cheng, Feng Lu, Yahya Alfadhli
- 10:45 -11:10 am GS 16-1 "Asynchronous Multiuser Low-Latency Fiber-Wireless
Transmission System for 5G Mobile Data Networks",
Hyunwoo Cho, Xiaoli Ma

- 11:10 -11:35 am GF 16-1 "High-Capacity Digital RoF System for Beyond-CPRI Mobile Fronthaul with Statistics Based DSP for Data Compression,"
Mu Xu, Jing Wang
- 11:35-12:00 pm GF 16-2 "Software-Defined Radio Enabled Data Block Design for Adaptive Machine Type Communications,"
Hyung Joon Cho, Gee-Kung Chang
- 12:00 pm –1:00 pm LUNCH at Georgia Tech Hotel & Conference Center**
- 1:00 pm - 1:40 pm Lab Tour and 5G Wireless Testbed Lab Demonstration**
5th floor, Centergy ONE, Labs 5188 and 5216, 75 Fifth Street, Atlanta
- 1:40 - 2:40 pm New Project Proposals:**
Centergy Conference Room#1010, 75 Fifth Street, Atlanta
- 1:40 – 2:00 pm PS 17-1, "All-spectra Wireless Access Enabled by Fiber -Wireless Cells with Function Decoupling," Feng Lu, Jianyang Shi
- 2:00 – 2:20 pm PS 17-2, "Artificial Neuron Network Based Machine Learning Techniques for Mitigating Non-Linear Channel Impairments in Fiber Wireless Access Systems," Siming Liu, Gee-Kung Chang
- 2:20 – 2:40 pm PS 17-3, "Short Range, 10Gb/s Wireless Links in Space,"
Chris Davis, Stu Millner
- 2:40 -2:55 pm BREAK**
- 2:55 - 3:40 pm Detailed Center Review and Discussions with Directors on projects, proposals, and funding plan
(Members, Center Directors, Assessment Coordinators and NSF manager)
- Bylaws introduction and discussion
- 3:40 - 5:00 pm Industry Advisory Board (IAB) Closed Meeting (Members and NSF only)
Discussions of
- Impressions of Day 1
 - Day 2 project/proposal review and voting process
 - Project management & mentoring framework for selected projects
 - Annual Industry Process/Outcome Questionnaire
- 5:15 - 6:30 pm Poster Session, Networking and Refreshments**
Room 5126, 5th floor, Centergy ONE, 75 Fifth Street, NW Atlanta
Room 5112. Breakout Conference room

Friday, May 12

- Room 5126, 5th floor, Centergy ONE, 75 Fifth Street, NW Atlanta
Room 5112. Breakout Conference room
- 7:30 - 8:00 am Arrival and Breakfast
- 8:00 - 9:00 am LIFE Form Review and Discussion (All participants)
- 9:00 - 10:30 am IAB Closed door Meeting Room 5126, (Members and NSF only)
Discussion of proposed projects, voting and discussion of results, formulation of funding recommendation to center leadership. Finalize discussion of topics started at the Day 1 formative IAB meeting.

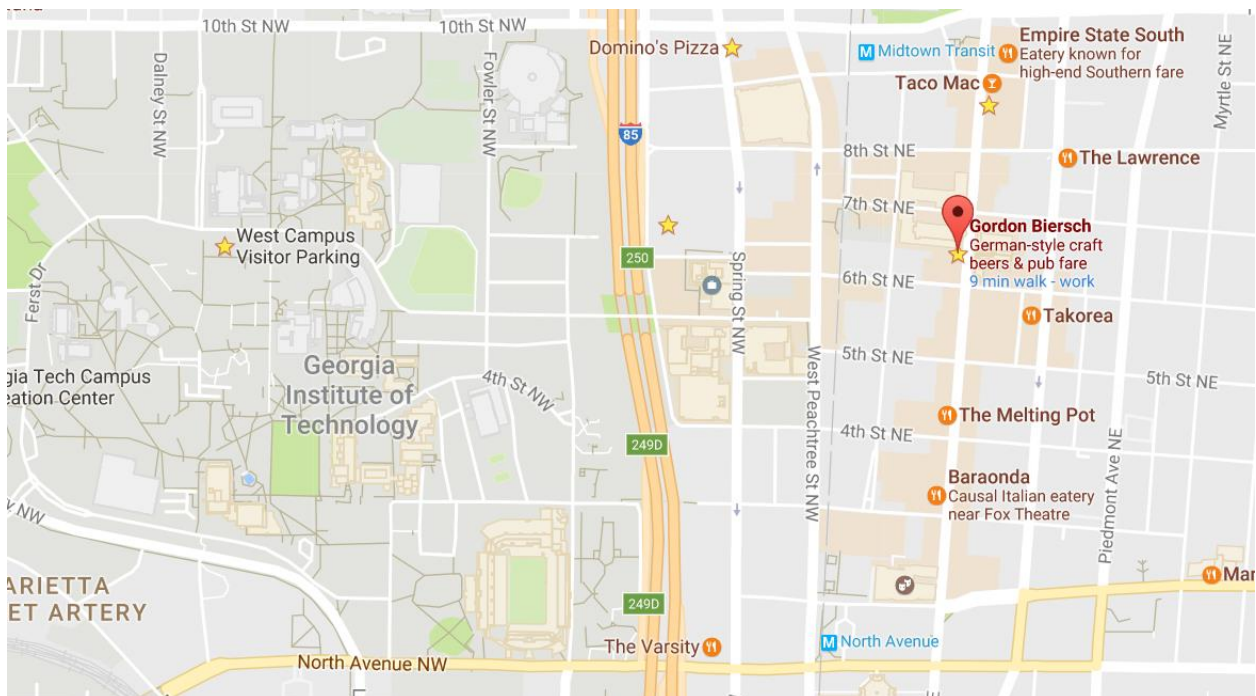
- 10:30 - 10:40 am **BREAK**
- 10:40 - 11:40 am IAB Report Out, Discussion, Action Items and Plans for Next Semiannual Meeting (Members, Center Directors and NSF)
- 11:40 – 12:00 pm Summary and Closing Remarks:
Center Directors G.-K. Chang (GT) and Chris Davis (UMD)

- 12:00 noon ADJOURN (Box Lunches)**

Restaurant for Dinner Reception on May 10th at 6:30 PM

Gordon Biersch Brewery and Restaurant,
848 Peachtree St NE, Atlanta, 30308

Valet parking on site



Hotel Recommendations:

Please reserve your room early!

It's high season in mid-May.

(1) Hotel Indigo, Atlanta, Midtown (within 6 blocks)

683 Peachtree St. SE Atlanta, GA 30308

(2) Atlanta Midtown Hilton Garden Inn (within 3 blocks)

97 tenth St, Atlanta, GA 30309

(3) Hyatt Atlanta Midtown Hotel (within 3 blocks)

125 tenth St, Atlanta, GA 30309

(4) The Georgian Terrance Hotel (within 8 blocks)

659 Peachtree Street, NE, Atlanta, GA 3030

(5) Homewood Suites by Hilton (3 blocks)

97 10th street NW, Atlanta GA 30309

(6) Renaissance Atlanta Midtown Hotel (within 2 blocks)

866 West Peachtree St NW Atlanta, GA 30308

(800) 291-9434

(7) Georgia Tech Hotel and Conference Center (only available on May 11 and 12)

800 Spring Street NW, Atlanta, GA 30354