CAEML Fall 2018 Semiannual Meeting

Thursday, October 25, 2018 – Klaus Advanced Computing Building Room 1116

7:45 AM  Registration, Breakfast, and Networking

8:30 AM  Welcoming Remarks | Madhavan Swaminathan, Georgia Tech CAEML Site Director; Steven McLaughlin, Dean, College of Engineering; Magnus Egerstedt, Chair School of Electrical and Computer Engineering; Eric Vogel, Deputy Director Institute for Electronics & Nanotechnology

8:50 AM  Introduction of attendees | Dale Becker, IAB Chair

9:05 AM  Presentation by Dee Hoffman, NSF IUCRC Assessment Coordinator

9:20 AM  State of Center Report | Elyse Rosenbaum, CAEML Director

9:35 AM  Closed door IAB meeting | Attendance restricted to IAB and NSF

1. Approval of previous meeting minutes  2. Election of Chair & Vice Chair for 2019-2021

10:05 AM  15 Minute COFFEE BREAK

PROGRESS REPORTS FOR PROJECTS IN FINAL YEAR OF FUNDING [5 minute presentation, 5 minutes Q&A/LIFE forms]


10:30 AM  1A5 Progress Report: Behavioral Model Development for High-Speed Links (10 minute presentation) M. Swaminathan, J. Schutt-Ainé and P. Franzon

10:45 AM  1A6 Progress Report: Models to Enable System-level Electrostatic Discharge Analysis | E. Rosenbaum

10:55 AM  1A7 Progress Report: Optimization of Power Delivery Networks for Maximizing Signal Integrity C. Ji and M. Swaminathan

11:05 AM  2A6 Progress Report: Causal Inference for Early Detection of Hardware Failure N. Kiyavash, M. Raginsky, E. Rosenbaum

11:15 AM  5 Minute BREAK

PROGRESS REPORTS & PROPOSALS FOR CONTINUING PROJECTS [5 minute presentation, 5 minutes Q&A/LIFE forms]


12:00 PM  LUNCH & Poster Session for Current Projects- 2 hrs. 20 min

2:20 PM  LIFE Form completion for all current projects

NEW PROJECT PROPOSALS [20 minute presentation, 5 minutes Q&A, 5 minutes LIFE forms]

2:40 PM  CONCURRENT GRADUATE STUDENT MEETING

Day One: NEW PROJECT PROPOSALS Continued

4:10 PM COFFEE BREAK 10 min
5:50 PM 1st Day Wrap-Up Meeting
6:15 PM DINNER at 5 Seasons Westside – Bus transportation provided to dinner and to hotels afterwards

Friday, October 26, 2018 – Klaus Advanced Computing Building Room 1116

7:15 AM Registration, Breakfast, and Networking

NEW PROJECT PROPOSALS [20 minute presentation, 5 minutes Q&A, 5 minutes LIFE forms]

8:00 AM New Project Proposal P18-8: ML for Board Level Analysis | M. Swaminathan, E. Rosenbaum
9:00 AM New Project Proposal P18-10: Application of ML for Generating Interconnect Models with Predictive Capability | M. Swaminathan, J. Schutt-Ainé
9:30 AM COFFEE BREAK [P1s respond to LIFE forms]
10:15 AM New Project Proposal P18-12: Exploring Unknown Spaces for Component and System Level Modeling S. Vasudevan
11:45 AM LUNCH [Faculty respond to LIFE forms]
12:15 PM LIFE form review and discussion Led by D. Becker & D. Hoffman
1:15 PM Discussions and voting for January 1, 2019 allocations Attendance restricted to NSF & IAB
3:00 PM IAB Report out, Action items and plans for next meeting Led by D. Becker & E. Rosenbaum
3:30 PM Adjourn