

NetControl

MURI Year 2 review, June 25, 2015, 9am - 5:15pm

Time	Presenter Name	Topic	Notes
9am	Sam Stanton	Welcome and overall meeting goals	15 mins
9:15am	Raissa D'Souza	Brief overview of the project goals and successes thus far	15 mins
9:30am	Jim Crutchfield	Task 1.1, Network Information Theory & integrating with other tasks	30 mins
10am	Raissa D'Souza	Task 1.2 update, Tasks 2 and 3 overview	15 mins
10:15am	<i>Coffee Break</i>		
10:30am	Andres Gonzalez	Overview of their teams goals for the MURI; and why lifeline systems Specifics: optimization, INDP, etc.	30 mins
11am	Mehran Mesbahi	Overview of control theory goals	30 mins
	Mehran and Airlie	Overview of technical results in publications thus far	
11:30am	Airlie Chapman	Integrating with Andres: System ID; Graph Products; etc.	15 mins
11:45am	Discussion		30 mins
12:15pm	<i>LUNCH</i>		
1:30pm	Michael Roukes	Collective behavior in networks of NEMS. The vision.	15 mins
1:45pm	Matt Matheny	The experiments	15 mins
2:00pm	Jeff Emmenheiser	The theory of kicking control of NEMS, the state-space	15 mins
2:15pm	Airlie Chapman	Building actual controllers	15 mins
2:30pm	Discussion	Challenges for NEMS: Near term (noise, complicated basin boundaries); Long term: scaling up to the VLSI system	30 mins
3pm	<i>Coffee Break</i>		30 mins
3:30pm	Raissa D'Souza	Network Science results (spillovers, coupled catastrophes, opinion dyn)	15 mins
3:45pm	Marton Posfai	Modeling state dependent systems in network science	15 mins
4pm	Discussion	Looking forward, goals and plans	60 mins
5pm	Discussion	What Raissa should emphasize for OSD review	15 mins
5:15pm	Adjourn		