

Control@MIT Schedule

Friday, November 2, 2018

10:00 AM - 4:15 PM

Haus & Allen rooms (36-428 / 36-462)

Start	End	Speaker	Talk Title	Affiliation
10:00	10:10	John Tsitsiklis & Jonathan How	Welcome Remarks	LIDS
10:10	10:30	Richard Braatz	Systems and Control in Advanced Manufacturing	Dept. of Chemical Engineering
10:30	10:45	Domitilla Del Vecchio	Control Theory for Synthetic Biology	Dept. of Mechanical Engineering
10:45	11:00	Hamsa Balakrishnan	Control of Air Traffic Networks	Dept. of Aeronautics and Astronautics
11:00	11:15	Break/discussion		
11:15	11:30	Ali Jadbabaie		LIDS, IDSS, & Dept. of Civil and Environmental Engineering
11:30	12:00	Anuradha Annaswamy	Control in Cyber-Physical & Human Systems	Dept. of Mechanical Engineering
12:00	13:00	Working Lunch (Faculty & PIs)		
13:00	13:30	Munther Dahleh	Learning Reduced Models	Institute for Data, Systems, and Society
13:30	13:45	Jean-Jacques Slotine	Contraction Analysis of Natural Gradient Networks	Dept of Mechanical Engineering and Dept. of Brain and Cognitive Sciences
13:45	14:00	Marija Ilic	Multi-layered Modeling, Simulations and Control for Large Scale Complex Systems	LIDS & Lincoln Laboratory
14:00	14:15	Break/discussion		
14:15	14:30	Jonathan How	Robust Model Predictive Control Using Dynamic Tubes	LIDS & Dept. of Aeronautics and Astronautics
14:30	14:45	Luca Carlone	Perception, Estimation, and Control for Robotics: Challenges and Opportunities	LIDS & Dept. of Aeronautics and Astronautics
14:45	15:00	Sertac Karaman	Compressed Computational Methods for Automated Control Synthesis; Will also give an overview of 16.30/16.31 (Feedback Control Systems) course	LIDS & Dept. of Aeronautics and Astronautics
15:00	15:15	Break/discussion		
15:15	15:30	Alexandre (Sasha) Megretski	Robustness and Model Reduction of Non-Causal Non-Linear Systems in Signal Processing and Communication.	LIDS & Dept. of Electrical Engineering and Computer Science
15:30	15:45	Saurabh Amin	Control for Resilient Infrastructures	Dept. of Civil and Environmental Engineering
15:45	16:00	Devavrat Shah	Understanding AlphaGo Zero	LIDS, IDSS, & Dept. of Electrical Engineering and Computer Science
16:00	16:15	Wrap up		