

ADVANCE AGENDA

Day 1 – Thursday, September 7, 2017

RLE Building 36, Allen & Haus Rooms (36-428)

Time	Activity / Topic	Speakers
7:30 AM	Breakfast & Check-In	
8:00 AM	Welcome & Introduction	
	Review of Agenda Goals for the Retreat Center Overview	Eli Yablonovitch
8:30 AM	Theme I: Nanoelectronics	
	Theme I Overview	Eli Yablonovitch
	Progress on III-V Nanowire Transistor Project	Jesús del Alamo
	Progress on 2D Chalcogenide Transistor Project	Ali Javey
	Progress on Graphene Nanoribbon Project	Eli Yablonovitch
	Open Discussion	
9:45 AM	Break	
10:00 AM	Theme II: Nanomechanics	
	Theme II Overview	Tsu-Jae King Liu
	Progress on NEM Relay Project	Bivas Saha
	Progress on Squitch Project	Farnaz Niroui
	Progress on Stritch Project	David Zubia
	Open Discussion	
11:15 AM	Keynote Presentation	
	Large-Scale Photonic Integrated Circuits for Quantum Information Science and Machine Learning	Dirk Englund
12:00 PM	Lunch	

12:50 PM

Theme III: Nanophotonics

Theme III Overview

Progress on III-V Epitaxial Growth

Progress on Antenna-Enhanced LEDs

Open Discussion

Ming Wu

Eugene Fitzgerald

Seth Fortuna

2:05 PM

Break

2:15 PM

Theme IV: Nanomagnetism

Theme IV Overview and Ultrafast Magnetic Switching

Spin-Orbit Torque Switching Project

CMOS Integration Project

Open Discussion

Jeffrey Bokor

Charles-Henri Lambert

Jean-Anne Incorvia

3:30 PM

STUDENTS: Set up of posters

FACULTY: Tour of MIT.nano

4:30 PM

Meeting with Industry Partners

5:00 PM

Walk to Poster Session & Dinner

5:15 PM

Reception and Poster Session

Café ArtScience, 650 East Kendall St., Cambridge

(www.cafeartscience.com)

6:30 PM

Dinner and Recognitions

Café ArtScience, 650 East Kendall St., Cambridge

(www.cafeartscience.com)

ADVANCE AGENDA

Day 2 – Friday, September 8, 2017

RLE Building 36, Allen & Haus Rooms (36-428)

Time	Activity / Topic	Speaker / Facilitator
7:30 AM	<i>Breakfast</i>	
8:00 AM	System Integration	
	System Integration Overview	Vladimir Stojanović
	Open Discussion	
8:30 AM	Elevator Pitches	
	90-Seconds Research Presentations	E³S Students & Postdocs
	Feedback & Discussion	Moderators: Lea Marlor, Kedrick Perry
10:00 AM	<i>Break</i>	
10:15 AM	Education and Diversity	
	Inclusion and Diversity Overview	Kedrick Perry
	Education Overview	Lea Marlor
	Open Discussion	
11:15 AM	Center Management & Knowledge Transfer	Michael Bartl
11:35 AM	A Look Beyond 2020: Center Legacy	
	Open Discussion	Moderator: Vladimir Bulović
11:55 AM	Closing Remarks	Eli Yablonovitch
12:00 PM	<i>Lunch (boxed)</i>	