




MURIs Mini-Summit	NEMS Information Engines and Networks		Attendees	17 Participants			Thursday, Friday	
2014 October	Thursday, 9th	Friday, 10th						<b>Day: Activity</b> Thursday: Dinner Thursday: Roukes Lab Tour
8:30 AM	Breakfast (own recognizance) Venue: 125 Steele Lab, CalTech Breakout Mtgs: 39 Basement Bridge Annex	Breakfast (own recognizance) Venue: 125 Steele Lab, CalTech Breakout Mtgs: 39 Basement Bridge Annex						
9:30 AM	<b>Convene and welcome</b> Introductions all around	<b>NEMS Networks</b> Grand challenge questions	<b>PIs</b>	<b>Institution</b>	<b>InfoEng</b>	<b>NetControl</b>	<b>Days</b>	<b>Email</b>
10:00 AM	<b>Overview of goals and synthesis</b> NEMS Dynamics and Information NEMS Fluctuations	High dimensional systems Network topologies available, desired Experiment status and schedule	Michael Cross Jim Crutchfield Chris Jarzynski	Physics, CalTech Physics, UCD Physics, UMD		Co-PI Co-PI	Both Both Both	<a href="mailto:Mcc@caltech.edu">Mcc@caltech.edu</a> <a href="mailto:chaos@ucdavis.edu">chaos@ucdavis.edu</a> <a href="mailto:cjarzyns@umd.edu">cjarzyns@umd.edu</a>
10:45 AM	NEMS Networks		Mehran Mesbahi	Eng, UWash		Co-PI		<a href="mailto:mesbahi@aa.washington.edu">mesbahi@aa.washington.edu</a>
11:00 AM	Coffee break	Coffee break	Raissa D'Souza	MAE/CS, UCD		PI	Both	<a href="mailto:raissa@cse.ucdavis.edu">raissa@cse.ucdavis.edu</a>
11:15 AM	Roukes Lab Tour	<b>NEMS Networks</b>	Michael Roukes	Physics, CalTech		Co-PI	Both	<a href="mailto:roukes@caltech.edu">roukes@caltech.edu</a>
11:30 AM		Analysis needs	Michael DeWeese	Physics, UCB	Co-PI		Thursday	<a href="mailto:deweese@berkeley.edu">deweese@berkeley.edu</a>
11:45 AM		Theoretical modeling	Leonardo Duenas-Osorio	Eng, Rice		Co-PI		<a href="mailto:leonardo.duenas-osorio@rice.edu">leonardo.duenas-osorio@rice.edu</a>
Noon	Lunch	Lunch						
			<b>Researchers</b>					
			Warren Fon	Physics	CalTech	CalTech	Both	<a href="mailto:fon@caltech.edu">fon@caltech.edu</a>
			Matt Matheny	Physics	CalTech	CalTech	Both	<a href="mailto:matheny@caltech.edu">matheny@caltech.edu</a>
2:00 PM	<b>NEMS Information Engines</b> Short talk: Boyd "Information Engines" Short talk: Marzen "Infinite Information" Experiments, Small N	<b>Plan tasks looking forward</b> Near-term easy & longer-term ambitious Experiment, Theory	<b>Postdocs</b> Parag Katira	Chem Eng	Columbia			<a href="mailto:kp2575@columbia.edu">kp2575@columbia.edu</a>
3:00 PM	Fluctuations and Thermometry NEMS Driven, Stochastic Simulator	<b>Schedule for next year + milestones</b> Experiment, Theory	<b>Students</b> Alec Boyd	Physics	UCD		Both	<a href="mailto:alecboy@gmail.com">alecboy@gmail.com</a>
3:30 PM	Coffee break and Adjourn	Coffee break	Sarah Marzen Russell Hawkins	Physics Physics	UCB UCD		Both Both	<a href="mailto:smarzen@berkeley.edu">smarzen@berkeley.edu</a> <a href="mailto:rrhawkins@ucdavis.edu">rrhawkins@ucdavis.edu</a>
4:00 PM	Colloquium: 201 E Bridge Chris Jarzynski, "Irreversibility, information	<b>UCD extended visits to Caltech lab</b>	Jeff Emenheiser Henri Palacci	Physics Chem Eng		UCD	Both	<a href="mailto:jemenheiser@ucdavis.edu">jemenheiser@ucdavis.edu</a>
4:30 PM	and the second law of thermodynamics at the nanoscale"	<b>Plan January and June PI Meetings</b>	Amy Lam	Chem Eng	Columbia			<a href="mailto:aymikins@gmail.com">aymikins@gmail.com</a>
5:15 PM		<b>End of meeting</b> Departures						
6:30 PM	Dinner							