




MURI Meeting 2017	Collaboration Day	Information Engines Annual Review	Attendees			
			PM and PIs	InfoEng	Institution	Email
	<i>Monday, 11 December 2017</i>	<i>Tuesday, 12 December 2017</i>				
			Jim Crutchfield	Lead PI	UC Davis	chaos@ucdavis.edu
8:00 AM	Continental breakfast @ venue <i>Meeting Venue: 125 Steele Lab, Caltech</i>	Continental breakfast @ venue <i>Meeting Venue: 125 Steele Lab, Caltech</i>	Micheal DeWeese	PI	UC Berkeley	deweese@berkeley.edu
9:00 AM	Welcome to Kavli: Roukes, Overview: Crutchfield	Welcome: Crutchfield (UCD)	Christopher Jarzynski	PI	Maryland	cjarzyns@umd.edu
9:15 AM		Stanton (ARO)	P. S. Krishnaprasad	PI	Maryland	krishna@isr.umd.edu
9:30 AM	Information Processing in a Flux Qubit	PI Overviews (10 minutes each = 5 + 5 Q&A)	Michael Roukes	PI	Caltech	roukes@caltech.edu
9:45 AM	Saira, Matheny, Fon, Wimsatt, Boyd	Crutchfield	Samuel Stanton	PM	ARO	samuel.c.stanton2.civ@mail.mil
10:00 AM		DeWeese				
10:15 AM		Jarzynski	Researchers	Dept		
10:30 AM		Krishna	Warren Fon	Physics	Caltech	fon@caltech.edu
10:45 AM		Roukes	Matt Matheny	Physics	Caltech	matheny@caltech.edu
11:00 AM	Coffee break					
11:15 AM	Information Processing in NEMS	Coffee break				
11:30 AM	Katti, Matheny, Fon, Wimsatt, Boyd	2017 Results (15 minutes each)	Mandal	Physics	UCB	dibyendu.mandal@gmail.com
11:45 AM	Noon	Boyd	Saira Olli-Pentti	Physics	Caltech	olli-pentti.saira@aalto.fi
12:15 PM	Lunch: Provided					
12:30 PM		Lunch: Provided	Students			
			Cina Aghamohammadi	Physics	UCD	caghamohammadi@ucdavis.edu
			Alec Boyd	Physics	UCD	alecboy@gmail.com
			Wade Hodson	Chemistry	Maryland	wdhodson@email.wm.edu
1:15 PM	Counterdiabatic Control of Erasure		Raj Katti	Physics	Caltech	rmkatti@gmail.com
1:30 PM	Boyd, Jarzynski, Hodson	Hodson	Greg Wimsatt	Physics	UCD	gwimsatt@ucdavis.edu
1:45 PM		Wimsatt				
2:00 PM	Functionally Conditioned Fluctuation Relations	Aghamohammadi	Reviewers/Guests	Institution		
2:15 PM	Wimsatt, Boyd, Saira, Mandal	Nanoscale Information Engine Experiments	Dr. Bryan Glaz	ARO		bryan.j.glaz.civ@mail.mil
2:30 PM		Flux qubit, NEMS, calorimetry				
2:45 PM	Synthesizing Nanoscale Control	Matheny, Fon, Katti, Saira				
3:00 PM	Jarzynski, Krishna, DeWeese, Boyd, Hodson	Lab Tour				
3:15 PM	Coffee break	Matheny, Fon, Katti, Saira				
3:30 PM						
3:45 PM	Looking Forward: Goals, plans, subprojects	Control Theory in Thermodynamics				
4:00 PM	All	Jarzynski, Krishna, DeWeese, Hodson, Boyd				
4:30 PM	Post-MURI projects and funding	Looking Forward: This year, Post-MURI	All			
5:00 PM	All	Open discussion	All			
5:30 PM	Adjourn	Adjourn				
	7:00 PM, Dinner:	6:00 PM, Dinner:				
	Saladang, 383 S Fair Oaks Ave, Pasadena	Celestino, 141 South Lake Avenue, Pasadena				