




| MURI Review Meetings | Information Engines | Network Control | Attendees | | | | | | |
|----------------------|--|--|---|---|---|--------------------|-------------|--|---|
| | TUESDAY EVE RECEPTION: HOTEL SANTA FE, 6:30-8:30 PM | | | | | | | | Day: Activity Wednesday: Group Dinner |
| | Wednesday, 24 June 2015 | Thursday, 25 June 2015 |  |  |  | | | | |
| 8:00 AM | Breakfast (@SFI) <i>Venue: SFI Noyce Conference Room</i> | Breakfast (@SFI) <i>Venue: SFI Collins Conference Room</i> | | | | | | | |
| 9:00 AM | Welcome: Jim Crutchfield (CSC, UCD) | Welcome: Sam Stanton (ARO) | | | | | | | |
| 9:15 AM | Welcome: Sam Stanton (ARO) | Welcome: Raissa D'Souza (CSC, UCD) | | | | | | | |
| 9:30 AM | New Results Boyd: Beyond Landauer | Crutchfield: Network Information Theory | PM and PIs | Institution | InfoEng | NetControl | Days | Email | |
| 9:45 AM | Lu: Engineering Maxwell's Demon | | Gavin Crooks | UC Berkeley | Co-PI | | IE | gecrooks@lbl.gov | |
| 10:00 AM | Mandal: Information Thermodynamics | D'Souza: Tasks Overview | Jim Crutchfield | UC Davis | PI | Co-PI | Both | chaos@ucdavis.edu | |
| 10:15 AM | Riechers: Beyond Reversibility | Coffee break | Raissa D'Souza | UC Davis | | PI | Both | raissa@cse.ucdavis.edu | |
| 10:30 AM | Coffee break | Gonzalez: Power Grids | Micheal DeWeese | UC Berkeley | Co-PI | | IE | deweese@berkeley.edu | |
| 10:45 AM | New Results Demers: Control in a Chaos Bath | | Henry Hess | Columbia | Co-PI | | IE | hh2374@columbia.edu | |
| 11:00 AM | Palacci: Fluctuations in Motor Proteins | Mesbahi: Network Control Theory Goals | Christopher Jarzynski | Maryland | Co-PI | | IE | cjarzyns@umd.edu | |
| 11:15 AM | Patra: Shortcuts in Control | Mesbahi/Chapman: Control Theory Results | P. S. Krishnaprasad | Maryland | Co-PI | | IE | krishna@isr.umd.edu | |
| 11:30 AM | | Chapman: System ID, Graph Products, ... | Mehran Mesbahi | U Washington | | Co-PI | NC | mesbahi@aa.washington.edu | |
| 11:45 AM | Discussion | Discussion | Michael Roukes | CalTech | | Co-PI | Both | roukes@caltech.edu | |
| Noon | Lunch (@SFI) | | Samuel Stanton | ARO | PM | PM | Both | samuel.c.stanton2.civ@mail.mil | |
| 12:15 PM | | Lunch (@SFI) | | | | | | | |
| | | | Researchers | Dept | Institution | Institution | Days | Email | |
| | | | Warren Fon | Physics | CalTech | CalTech | IE | fon@caltech.edu | |
| | | | Matt Matheny | Physics | CalTech | CalTech | IE | matheny@caltech.edu | |
| | | | Postdocs | | | | | | |
| 1:30 PM | Nanoscale Information Engines: Experiment | Roukes: NEMS Networks | Airlie Champman | Engin | | U Wash | NC | airliec@u.washington.edu | |
| 1:45 PM | Hess: Motor Proteins (30 min.) | Matheny: NEMS Experiments | Dibyendu Mandal | Physics | UCB | | IE | dibyendu.mandal@gmail.com | |
| 2:00 PM | Roukes: Nanomechanical & Quantum Systems | Emmenheiser: NEMS Control | Márton Pósfai | CS | | UCD | NC | posfaim@gmail.com | |
| 2:15 PM | (30 min.) | Chapman: Building Controllers | | | | | | | |
| 2:30 PM | PI Task Summaries | Discussion: Challenges for NEMS | Students | | | | | | |
| 2:45 PM | Krishnaprasad: Task 3, Control Theory (30 min) | | Alec Boyd | Physics | UCD | | IE | alecboy@gmail.com | |
| 3:00 PM | Coffee break | Coffee break | Jeffery Demers | Chemistry | Maryland | | IE | jdemeripi@gmail.com | |
| 3:15 PM | | | Jeff Emmenheiser | Physics | | UCD | NC | jemenheiser@ucdavis.edu | |
| 3:30 PM | Crooks, Crutchfield (15 minutes, each) | D'Souza: Network Science Results | Amy Lam | Biochem | | Columbia | IE | atl2133@columbia.edu | |
| 3:45 PM | DeWeese, Jarzynski (15 minutes, each) | Posfai: State-Dependent Networks | Zhiyue Lu | Chemistry | Maryland | | IE | zhiyuelu@gmail.com | |
| 4:00 PM | Looking Forward: Goals and plans | Discussion: Looking forward | Sarah Marzen | Physics | UCB | | IE | smarzen@berkeley.edu | |
| 4:15 PM | | | Henri Palacci | Chem Eng | Columbia | | IE | henri.palacci@gmail.com | |
| 4:30 PM | | | Ayoti Patra | Chemistry | Maryland | | IE | ayotipatra@gmail.com | |
| 4:45 PM | Feedback | | Paul Riechers | Physics | UCD | | IE | pmriechers@ucdavis.edu | |
| 5:00 PM | What Should Jim Tell OSD? | What Should Raissa Tell OSD? | Andres Gonzalez | Engin | | Rice | NC | | |
| 5:15 PM | Adjourn (Shuttle to Hotel Santa Fe) | Adjourn | | | | | | | |
| 6:30 PM | Dinner (El Farole) (6:10 PM Shuttle from hotel) | Group Dinners (informal groupings) | Reviewers | Institution | | | | | |
| | | | Ned Corron | ARO | | | Both | ned.j.corron.civ@mail.mil | |
| | | | Dan Gauthier | Duke | | | Both | gauthier@phy.duke.edu | |
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| | | | Chiping Li (PM) | AFOSR | | | IE | chiping.li@us.af.mil | |
| | | | Anatoli Polkovnikov | Boston (ARO) | | | IE | | |
| | | | Pawel Zimoch | MIT (ARO) | | | Both | apolkovnikov@gmail.com | |
| | | | Ananthram Swami | ARL | | | Both | | |
| | | | James Gimlett | DARPA | | | Both | | |