Research Speed Dating Day
Multipurpose Room & Winter Garden, New Media Lab
(E14, 6th Floor)    Thursday, February 18th, 2016

1:00-1:05 pm | **Welcome:** Markus Buehler (Department Head)

1:15-2:00 pm | **Session 1**
Michael Follows (Faculty)
*Costs, benefits and biogeography of marine nitrogen fixation*
Ross Evan Alter (Postdoc)
*Rainfall enhancement due to irrigation in East Africa*
Anna Tarakanova (Graduate Student)
*Uncovering elastin’s shape and flexibility for hierarchical assembly*
Maria Maza (Postdoc)
*Nature-based solutions for coastal defense*
Daly Wettermark and Grace Gu (Undergraduate and Graduate Students)
*3D printing of bio-inspired composites*
Ethan C. McGarrigle (Undergraduate Student)
*Exploring air pollution: Los Angeles air quality*

2:00-2:45 pm | **Session 2**
Benzhong Zhao (Graduate Student)
*Wetting and microfluidics*
Kathryn Kauffman (Postdoc)
*Structure of viral infection networks in the ocean*
Charles Harvey (Faculty)
*The simple mathematics of impenetrable tropical swamp forests*
Claudia Gelfond (Graduate Student)
*Light and organic matter constraints on mercury cycling in aquatic systems*
Sarah Safieddine (Postdoc)
*The reactive carbon budget of the atmosphere*
Diego Lopez Barreiro (Postdoc)
*Bottom-up design of biocrude oils*

2:45-3:00 pm | **Break**

3:00-3:35 pm | **Session 3**
Hao Sun (Postdoc)
*Building characterization through seismic wave propogation*
Justin Chen (Graduate Student)
*Smaller than the eye can see: measuring subtle motions with video cameras*

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3:35-4:20 pm | Session 4

Marta Gonzalez (Faculty)
Collective dynamics of energy demands

Serguei Saavedra (Faculty)
Why care about ecological networks

Carolina Osorio (Faculty)
From real-time responsive travelers and vehicles to city-scale transportation optimization

Otto Cordero (Faculty)
Microbial communities as multi-scale systems

John Williams (Faculty)
System characterization

Gabriel Leventhal (Postdoc)
How microbial communities evolve

4:20-5:00 pm | Session 5

Benedetto Marelli (Faculty)
Biopolymers between polymorphism and advanced fabrication

Corentin Fivet (Research Scientist)
Geometric stability and the shaping of the Collier Memorial

Xuanhe Zhao (Faculty)
Tough, adhesive, smart water

Admir Masic (Faculty)
Antiqua-inspired materials

Ann M. Hughes (Undergraduate Student)
Ultrasonic spraying of silk suspension for fruit preservation

5:00-7:00 pm | Wine and Cheese Jazz Reception

Research Area Key
- Resources
- Ecology & Living Systems
- Structures
- Cities & Urban Systems
- Global Systems