



## Center for Networked Systems

### Bi-annual Research Review Agenda

***Wednesday, January 24, 2007***

9:00 a.m. **Breakfast** (CMRR Foyer)

9:30 a.m. Welcome and CNS Progress Report (CMRR Auditorium)  
Amin Vahdat, CNS Director and CSE Professor

9:45 a.m. **Research Projects Review I**  
Session Chair: Tara Javidi

Towards a More Fair and Robust Internet Backbone  
Bill Lin (speaker), Rene Cruz, and Tara Javidi

Resource Management for Heterogeneous Wireless Environments  
Tara Javidi (speaker) and Tajana Simunic-Rosing

Resource Management for Heterogeneous Wireless Sensor Networks  
Tajana Simunic-Rosing and Tara Javidi (speaker)

11:15 a.m. Next Generation WWAN Architecture  
Fatih Ulupinar, Qualcomm

12:00 p.m. **Lunch** (CSE 4<sup>th</sup> Floor, Room 4140)

1:00 p.m. **Research Projects Review II** (Bioengineering Bldg., Fung Auditorium)  
Session Chair: Geoff Voelker

Agile, Efficient Resource Configuration and Scheduling with Virtual Clusters  
Amin Vahdat, Stefan Savage, Alex Snoeren (speaker), and Geoff Voelker

Network Vivisection: Cloning the Internet  
Ken Yokum (speaker), Geoff Voelker, Amin Vahdat, and Alex Snoeren

Application of Coding to the Internet Backbone  
Bill Lin and Alex Snoeren (speaker)

2:30 p.m. **Break and Informal Interaction** (Bioengineering Foyer)

3:00 p.m. Stopping Bullets: Protecting Customers from the Next Generation of Threats"  
Darren Shou, Symantec

3:45 p.m. **Research Project Review III**

Session Chair: Joe Pasquale

Generating Realistic Network Traffic and Topologies  
Kim Claffy (speaker) and Amin Vahdat

The XGRID Processor  
Alin Deutsch (speaker) and Yannis Papakonstantinou

4:45 p.m. **Poster Session and Reception** (Bioengineering Foyer)

Session Organizers: Tara Javidi and Amin Vahdat

6:30 p.m. **Dinner (reps., faculty)** Il Fornaio, Del Mar

### ***Thursday, January 25, 2007***

8:00 a.m. **CNS Board Meeting (CNS Advisory Board)** (CSE 2231)

8:00 a.m. **Breakfast** (Bioengineering Foyer)

9:00 a.m. **Research Projects Review IV**

Session Chair: *Bill Lin*

Automated Cross-layer Diagnosis of Enterprise Wireless Networks  
Stefan Savage (speaker), Geoff Voelker, and Alex Snoeren

Engineering Durability in Highly Decentralized Networked Systems  
Joe Pasquale (speaker), Ramesh Rao, and Sriram Ramabhadran

10:00 a.m. Data Center Energy Management  
John Sontag, Hewlett Packard

10:45 a.m. **Break and Informal Interaction** (Bioengineering Foyer)

11:15 a.m. Sensors, Swarms, and Spots: an emergent view  
Kristen A. McIntyre, Sun Computers

12:00 a.m. Open Floor (feedback from member companies)

12:45 p.m. **Lunch** (CSE 4<sup>th</sup> Floor, Room 4140)