Institute for Software Research: Welcome

Richard N. Taylor
Director and Professor

http://www.isr.uci.edu/
With the generous support of...

California Institute for Telecommunications and Information Technology
Mission: ISR is dedicated to...

- fostering innovative basic and applied research in software and information technologies;
- working with established companies, start-ups, government agencies, and standards bodies to develop and transition the technologies to widespread and practical application;
- educating the next generation of software researchers and practitioners in advanced software technologies; and
- supporting the public service mission of the University of California in developing the economic basis of the State of California.
Our Research Areas

- Analysis and Testing
- Computer Supported Cooperative Work
- Configuration Management
- Design
- Environments
- Human-Computer Interaction
- Hypermedia
- Information Visualization
- Event Notification Systems
- Open Source Software Development

- Privacy and Security
- Software Acquisition and Electronic Commerce
- Software Architecture
- Software Engineering
- Software Engineering Education
- Software Understanding
- Systems Modeling and Engineering
- Ubiquitous Computing
Types of Industry Relationships (w/ examples)

- **Sponsored Research**
  - Boeing Anaheim: “Software Defined Radio”;
  - Intel Corporation: “Trustable Technology”

- **Joint Research**
  - NASA JPL: Mars Science Laboratory

- **Joint Research w/ Federal Sponsorship**
  - Lockheed Martin: DASADA program (AWACS-related)

- **Field (study) Sites**
  - JPL, Boeing Anaheim, State Street, IBM Cambridge…

- **Graduate Student Internships**
  - NASA Ames, IBM Yorktown, The Aerospace Corporation

- **Gifts**
  - Fujitsu, MERL, Aerospace, many others
New: Graduate Student Research Forum

• “For students by students”

• Goal:

To foster community and expose possibilities for interdisciplinary collaborations by providing an opportunity for students researching various dimensions of software and information technology to come together, meet, interact, and discuss their activities with a diverse group of their peers.
GSRF: By Students For Students

- Organizing Committee
  - 5 UCI/ISR students, broad range of interests

- Program Committee
  - 13 students:
    UC Irvine, UC Berkeley, UC Santa Cruz, UC San Diego, USC

- Organized all aspects of the event, prepared call, reviewed submissions, created program

- 6 papers accepted (UCI, UCR, UCSC, UCSD)
  5 doing posters at reception

- Contest: Cross-Disciplinary Project Idea

- Next Year: Possibly Northern California
Forum

- **Keynote**
  - Thomas W. Malone
  - Patrick J. McGovern Professor of Management at the MIT Sloan School of Management
  - “The Future of Work and Processes”

- **Five Presentations**
  - Three Joint ISR/Industry, Two by graduate students

- **Posters/Demonstrations**
  - Almost 30 at evening reception
  - Students from UCSD, UCSC, USC, UCI, Claremont
What Else is New…

- New faculty:
  Robert Nideffer, UCI Arts/ACE/ICS

- Taylor on Sabbatical July 05-June 06
  Walt Scacchi, Acting Director
Special Thanks to...

- **GSRF Organizing Committee**
  - Ping Chen
  - John Georgas
  - Sameer Patil
  - Sukanya Ratanotayanon
  - Amanda Williams

- **GSRF Program Committee**
  - Johanna Brewer (UCI/ISR)
  - Justin Erenkrantz (UCI/ISR)
  - Guozheng Ge (UC Santa Cruz)
  - Chris Jensen (UCI/ISR)
  - Scott Lederer (UC Berkeley)
  - Sam Malek (USC)
  - Trung C. Ngo (UCI/ISR)
  - Eugen Nistor (UCI/ISR)
  - Jie Ren (UCI/ISR)
  - Roshanak Roshandel (USC)
  - Anita Sarma (UCI/ISR)
  - Macneil Shonle (UC San Diego)
  - Girish Suryanarayana (UCI/ISR)

- **ISR Research Forum Webmaster**
  - Hazel Asuncion