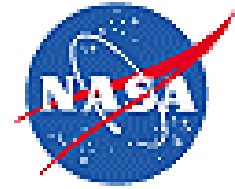




Institute for Software Research
University of California, Irvine



Workshop on Collaborative Software Engineering Tools

John Penix

Computer Scientist

NASA Ames

David Redmiles

Associate Professor

UC Irvine / ISR

Debra Brodbeck

Technical Relations Director

UC Irvine / ISR

Goals and Scope of the Workshop



- Understanding Collaboration and Software Tools
 - ◆ Real world setting informed by research
 - ◆ Mutual Education
- Aspects of the Scope
 - ◆ Difficulties in studying and supporting collaboration
 - ◆ NASA Problems and Opportunities
 - ◆ UCI Research Technology, Studies, and Opportunities

Logistics



■ Sessions

- ◆ Usually 1 hour 15 minutes
- ◆ Talks are 15 minutes including clarifying questions
- ◆ 15 minutes of discussion
- ◆ Break for more discussion



*To advance software and
information technology through
research partnerships.*

ISR is the only organization focused on Software Research
within the University of California system.

<http://www.isr.uci.edu/>

Within the University Context...



- 15 Faculty Associates
- 40 Ph.D. students
- 2 Visiting Scholars
- ~9 Staff members (technical and administrative)

Faculty



- **Richard N. Taylor**
UCI/ICS and Director of ISR
- **Mark Ackerman**
University of Michigan
- **Paul Dourish**
UCI/ICS
- **Alfonso Fuggetta**
Politecnico di Milano
- **Les Gasser**
University of Illinois at Urbana-Champaign
- **Alfred Kobsa**
UCI/ICS
- **Gloria Mark**
UCI/ICS
- **Simon Penny**
UCI/School of the Arts and the School of Engineering.
- **David F. Redmiles**
UCI/ICS
- **Debra J. Richardson**
UCI/ICS and ICS Dept. Chair
- **David S. Rosenblum**
UCI/ICS
- **Scott Samuelsen**
UCI/School of Engineering and
Director, Advanced Power and Energy
Program (APEP)
- **Walt Scacchi**
UCI/ICS
- **André van der Hoek**
UCI/ICS
- **E. James Whitehead**
UC Santa Cruz

Research Emphases

<http://www.isr.uci.edu/research.html>



■ Analysis and Testing

Debra J. Richardson David S. Rosenblum

■ Computer Supported Cooperative Work

Mark Ackerman Paul Dourish
Alfred Kobsa Gloria Mark
David Redmiles

■ Configuration Management

André van der Hoek Jim Whitehead

■ Development Environments

David F. Redmiles David S. Rosenblum
Debra J. Richardson Richard N. Taylor
André van der Hoek

■ Human-Computer Interaction

Paul Dourish Alfred Kobsa
Simon Penny David F. Redmiles

■ Hypermedia

Alfred Kobsa David F. Redmiles
Richard N. Taylor Jim Whitehead

■ Internet-scale Event Notification

Alfonso Fuggetta David S. Rosenblum

■ Open Source

Mark Ackerman Alfonso Fuggetta
Les Gasser Walt Scacchi
Jim Whitehead

■ Software Acquisition and Electronic Commerce

Walt Scacchi

■ Software Architecture

David F. Redmiles David S. Rosenblum
Richard N. Taylor Scott Samuelson
André van der Hoek

■ Software Engineering Education

André van der Hoek

■ Software Understanding

Paul Dourish David F. Redmiles

How can companies get involved?



- Research Partnerships enabling Collaborative Research Teams
 - ◆ External funding from Government or Industry sources (NSF, DoD/DARPA, NASA, etc.)
 - ◆ Internal funding from Corporate Partner
- Research Affiliates
 - ◆ Corporate sponsored research project
 - ◆ Graduate student research fellowship
 - ◆ ISR research presentations on-site
- Research Sponsors
 - ◆ Corporate affiliation on ISR Web Site and Events

For More Information



Debra A. Brodbeck

Technical Relations

Director

brodbeck@uci.edu

(949) 824-2260

Dr. Susan J. Knight

Corporate Relations

Officer

sknight@uci.edu

(949) 824-5927

<http://www.isr.uci.edu/>