

FeBID'06: 1st Workshop on Feedback Control Implementation and Design in Computing Systems and Networks

- 8:45 Welcome speech, Joe Hellerstein
- 9:00 – 10:00 **Keynote Speech**
[Robust yet Fragile: Intrinsic Tradeoffs in Layered Architectures](#)
John Doyle, *California Institute of Technology*
- 10:00 – 10:30 Poster Session during coffee break
- 10:30 – 12:00 **Session 1 – Wide Area Distributed Systems**
Session Chair: Jerry Rolia, HP Labs
 - Paper 1: [Dynamic Adaptation of Temporal Event Correlation Rules](#)
Rean Griffith, Gail Kaiser, *Columbia University*
Joseph Hellerstein, Yixin Diao, *IBM T.J. Watson Research Center*
 - Paper 2: [Parameterizing PI Congestion Controllers](#)
Ahmad Al-Hammouri, *Case Western Reserve University*
 - Paper 3: [Verification of Orbitally Self-Stabilizing Distributed Algorithms using Lyapunov Functions and Poincaré Maps](#)
Abhishek Dhama, Jens Oehlerking, Oliver Theel, *University of Oldenburg*
 - Paper 4: [Control of Large Scale Computing Systems](#)
Yixin Diao, Joseph Hellerstein, Sujay Parekh, *IBM T.J. Watson Research Center*
- 12:00 – 1:00 **Lunch**
- 1:00 – 2:30 **Session 2 – Servers & Clusters**
Session Chair: Ying Lu, University of Nebraska, Lincoln
 - Paper 1: [A Control Theory Perspective on Configuration Management and cfengine](#)
Mark Burgess, *University College Oslo*
 - Paper 2: [Feedback Based Real-Time Fault Tolerance -- Issues and Possible Solutions](#)
Xue Liu, Hui Ding, Kihwal Lee, Lui Sha, Marco Caccamo, *University of Illinois at Urbana-Champaign*
 - Paper 3: [Regulating Workload in J2EE Application Servers](#)
Wei Xu, Zhangxi Tan, *University of California, Berkeley*
 - Paper 4: [Online Feedback-Based Estimation of Dynamic Page Service Time](#)
Kaushik Veeraraghavan, Ashwini Kumar, Benjamin Wester, Kang G. Shin, *University of Michigan*
- 2:30 – 3:30 Poster Session during coffee break

- 3:30 – 4:15 **Invited Talk**
[Conclusions from the European Roadmap on Control of Computing Systems](#)
Karl-Erik Arzen, Anders Robertsson, Dan Henriksson, *Lund University*, Mikael Johansson, Håkan Hjalmar, Karl Henrik Johansson, *Royal Institute of Technology*
- 4:15 – 5:30 **Panel Session**
[Top Three Challenges in Control of Networks and Systems](#)
Moderator: Tarek Abdelzaher
Panelists: John Doyle, *California Institute of Technology*, Mark Burgess, *University College Oslo*, Sujay Parekh, *IBM T.J. Watson Research Center*, Magnus Karlsson, *HP Labs*
- 5:30 Wrap up