



## IBM Haifa Leadership Seminar - Agenda

### IBM Verification Conference 2005 Day 3: PADTAD

<http://www.haifa.il.ibm.com/Workshops/verification2005/index.html>

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#### **Fault Injection-based Testing Session** **Chair: Eitan Farchi**

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**9:00** *A Kernel-based Communication Fault Injector for Dependability Testing of Distributed Systems,*

Roberto Jung Drebes, Gabriela Jacques-Silva, Joana Matos Fonseca da Trindade, and Taisy Silva Weber, Instituto de Informatica - Universidade Federal do Rio Grande do Sul

**9:45** *Invited Talk: Testing of MPI Software,*  
Dan Quinlan, Lawrence Livermore National Laboratory

**10:30** Coffee break

**11:00** *Keynote: Checking Atomicity in Concurrent Java Programs,*  
Scott D. Stoller, State University of New York at Stony Brook

**12:00** Lunch

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#### **Deadlocks Analysis Session** **Chair: Orit Edelstein**

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**13:00** *Detecting Potential Deadlocks with Static Analysis and Runtime Monitoring,*  
Rahul Agarwal, Liqiang Wang, and Scott D. Stoller, State University of New York at Stony Brook

**13:45** *Scalable Deadlock Analysis of Multi-threaded Programs,*  
Saddek Bensalem, Universite Joseph Fourier/Verimag, Grenoble, France, and Klaus Havelund, Kestrel Technology, Palo Alto, California, USA

**14:30** *Cross-Run Lock Discipline Checker for Java,*  
Eitan Farchi, Yarden Nir-Buchbinder, and Shmuel Ur, IBM Haifa Research Lab

**14:40** *Discussion on Deadlock Analysis Techniques*

**15:10** Coffee break

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#### **Verification and Replay Session** **Chair: Shmuel Ur**

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**15:40** *Verification of the Java Causality Feature,*  
Sergey Polyakov and Assaf Schuster, Department of Computer Science, Technion - Israel Institute of Technology

**16:20** *Choosing Among Alternative Futures,*  
Steve MacDonald and Jun Chen, School of Computer Science, University of Waterloo, and Diego Novillo, Red Hat, Inc.