

# IBM Haifa Leadership Seminar - Agenda

## IBM Verification Conference 2005 Day 2: Software Testing

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

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| <p><b>White Box - Testing and Reviews Session</b><br/><b>Chair: Eitan Farchi, IBM Haifa Labs</b></p> <p><b>9:00</b> <i>Production-Testing of Embedded Systems with Aspects,</i><br/>Jani Pesonen, Nokia Corporation Technology Platforms, and Mika Katara and Tommi Mikkonen, Institute of Software Systems, Tampere University of Technology</p> <p><b>9:30</b> <i>Assisting the Code Review Process Using Simple Pattern Recognition,</i><br/>Eitan Farchi, IBM Haifa Research Lab, and Bradley R. Harrington, IBM Systems and Technology Group, Austin, Texas, USA</p> <p><b>10:00</b> <i>Invited Talk: The Interface of Testing and Compiler Research,</i><br/>Dan Quinlan, Lawrence Livermore National Laboratory</p> <p><b>10:30</b> Coffee break</p>  | <p><b>12:30</b> <i>Invited Talk: SLAM and Static Driver Verifier: Technology Transfer of Formal Methods inside Microsoft,</i><br/>Thomas Ball, Senior Researcher, Testing, Verification, and Measurement, Microsoft Research (MSR)</p> <p><b>13:00</b> Lunch</p> <p><b>14:00</b> <i>Keynote: Robust Embedded Firmware Development,</i><br/>Thomas Wolf, Program Director, eServer Firmware Development, IBM Systems and Technology Group, Boeblingen, Germany</p> <p><b>14:50</b> Coffee break</p>   |
| <p><b>New Testing Technologies Session</b><br/><b>Chair: Ofer Strichman, Technion</b></p> <p><b>11:00</b> <i>Invited Talk: Software Model Checking: Where It Is and Where It's Heading,</i><br/>Scott D. Stoller, State University of New York at Stony Brook</p> <p><b>11:30</b> <i>Effective Black-box Testing with Genetic Algorithms,</i><br/>Mark Last and Shay Eyal, Department of Information Systems Engineering, Ben-Gurion University, and Abraham Kandel, Department of Computer Science and Engineering, University of South Florida</p> <p><b>12:00</b> <i>Optimal Algorithmic Debugging and Reduced Coverage in Search in Structured Domains,</i><br/>Yosi Ben-Asher, Igor Breger, and Ilia Gordon, Computer Science Department, University of Haifa, and Eitan Farchi, IBM Haifa Research Lab</p> | <p><b>Industrial Field Experience Session</b><br/><b>Chair: Tsvi Kuflik, University of Haifa</b></p> <p><b>15:10</b> <i>Invited Talk: Introducing Test-driven Development,</i><br/>Yael Dubinsky, Technion - Israel Institute of Technology</p> <p><b>15:40</b> <i>Invited talk: Why Johnny Can't Test and Can Test-driven Development Help: A People-centered Analysis of Testing,</i><br/>Orit Hazzan, Technion - Israel Institute of Technology</p> <p><b>16:10</b> <i>Benchmarking and Testing OSD for Correctness and Compliance,</i><br/>Dalit Naor, Petra Reshef, Ohad Rodeh, Allon Shafrir, and Adam Wolman, IBM Haifa Research Lab</p> <p><b>16:40</b> <i>Invited Talk: Directed Model Checking,</i><br/>Bernd Finkbeiner, University of Saarlandes</p> |