



## *Invitation to IBM's Verification Seminar 2003*

October 19, 2003

Organized by IBM Research Lab in Haifa, Israel

<http://www.haifa.il.ibm.com/Workshops/verification2003/>

The Software and Verification Technologies Department at the IBM Haifa Research Lab (HRL) cordially invites you to a full-day seminar on verification, to be held on Sunday, the 19th of October, 2003.

This is the fourth in a sequence of verification seminars held by HRL since 1999. The seminar will take place at the HRL site on the Haifa University campus, in the Auditorium (room L100), from 9:30 to 17:15. Lunch and light refreshments will be served. Participation is free.

Registration is now closed. It is no longer possible to register.

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**9:15 Arrival**

**9:30 Welcome,**

Michael Rodeh, Director, IBM Haifa Labs

**9:45 Predictable Design by Pre-Implementation**

*Validation of Non-functional Properties,*  
Wolfgang H. Nebel, Oldenburg University,  
OFFIS and ChipVision Design Systems

**10:25 Deep Knowledge Test Generators and**

*Functional Verification Methodology,*  
Laurent Fournier, IBM Haifa Labs

**10:55 Stochastic Approach to Constraint**

*Satisfaction Problems in the Hardware*  
*Verification Domain,*  
Yehuda Naveh, IBM Haifa Labs

**11:25 Coffee break**

**11:40 MSIL DSP Platform Verification**

*Methodology,*  
Amit Gur, Verification Leader of DSP platform,  
Motorola

**12:10 Formal Verification or Simulation: Why not both?**

Michel Jalfon, Analog Devices

**12:40 Lunch**

**13:50 Keynote: A Survey of Abstraction Refinement Techniques,**

Fabio Somenzi, University of Colorado at Boulder

**14:40 An Optimized Symbolic Bounded Model**

*Checking Engine,*  
Rachel Tzoref, IBM Haifa Labs

**15:10 Reasoning About Truncated Paths,**

Dana Fisman, Weizmann Institute of Science

**15:40 Break**

**16:00 High End Router Line Card Verification,**

Rami Zemach, Routing Technology Group, Cisco  
System Israel.

**16:30 Coverage Oriented Verification of Banias,**

Alon Gluska, Intel, Haifa

**17:00 Concluding Remarks,**

David Bernstein, Mgr., Software and Verification  
Technologies, IBM Haifa Labs

ORGANIZING COMMITTEE

Moshe Levinger, IBM HRL

Eyal Bin, IBM HRL

Yaron Wolfsthal, IBM HRL

IBM Research Lab in Haifa