



ISoLA 2004



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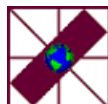
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1st International Symposium on Leveraging Applications of Formal Methods

30th October – 2nd November 2004
Paphos Amathus Hotel, Paphos (Cyprus)

<http://sttt.cs.uni-dortmund.de/isola2004>

ISoLA is a forum for developers, users, and researchers to discuss issues related to the adoption and use of rigorous tools for the specification analysis, verification, certification, construction, test, and maintenance of systems from the point of view of their different application domains. To bridge the gap between designers and developers of (formal methods based) rigorous tools, and users in engineering and in other disciplines, it fosters and exploits synergetic relationships among scientists, engineers, software developers, decision makers, and other critical thinkers. In particular, by providing a venue for the discussion of common problems, requirements, algorithms, methodologies, and practices, **ISoLA** aims to support researchers in their quest to improve the utility, reliability, flexibility and efficiency of tools for building systems and users in their search of adequate solutions to their problems.

Applications and case studies with a conceptual message and experience papers with a clear link to tool construction are all encouraged. Particularly welcome are **Regular contributions, Survey papers, Student Papers** and **Tool demonstrations** concerning

Use of

- Deduction and model-checking
- System construction and transformation techniques
- Program analysis
- Compositional and refinement-based methodologies
- Testing and test-case generation
- Techniques for real-time, hybrid and safety-critical systems
- Tool environments and tool architectures

Application Areas:

- Automotive and mechanical engineering,
- Biomechanics, biocomputing, and healthcare
- Electrical engineering, embedded systems, and controllers
- Financial and banking sectors, E-commerce
- Robotic Systems for Space Exploration
- Telecommunications, Internet-based applications, Mobile Computing
- Transportation and aviation
- Transformation & processing-oriented industries
- Interoperability (HW/SW, MEMs, ...) and Integration (legacy systems, ...)

Keynote Speaker: David Harel (Weizmann Institute, Rehovot, Israel)

Deadlines:

Papers submission (electronic):
Notification of acceptance:
Final version:

July 4th, 2004
August 27th, 2004
September 26st, 2004

All accepted papers will be published in the symposiums' proceedings. Selected papers will appear in Post-Conference Proceedings (approval by Springer LNCS pending) and in Special Sections of international journals. Awards will be given to outstanding contributions (best paper, industrial paper, student papers).