

Preface

FIDJI 2004 was an international forum for researchers and practitioners interested in the advances in, and applications of, software engineering for distributed application development. Concerning the technologies, the workshop focused on “Java-related” technologies. It was an opportunity to present and observe the latest research, results, and ideas in these areas.

All papers submitted to this workshop were reviewed by at least two members of the International Program Committee. Acceptance was based primarily on originality and contribution. We selected, for these post-workshop proceedings, 11 papers amongst 22 submitted, a tutorial and two keynotes.

FIDJI 2004 aimed at promoting a scientific approach to software engineering. The scope of the workshop included the following topics:

- design of distributed applications
- development methodologies for software and system engineering
- UML-based development methodologies
- development of reliable and secure distributed systems
- component-based development methodologies
- dependability support during system life cycle
- fault tolerance refinement, evolution and decomposition
- atomicity and exception handling in system development
- software architectures, frameworks and design patterns for developing distributed systems
- integration of formal techniques in the development process
- formal analysis and grounding of modelling notation and techniques (e.g., UML, metamodelling)
- supporting the security and dependability requirements of distributed applications in the development process
- distributed software inspection
- refactoring methods
- industrial and academic case studies
- development and analysis tools

The organization of such a workshop represents an important amount of work. We would like to acknowledge all the program committee members, all the additional referees, all the organization committee members, the University of Luxembourg, Faculty of Science, Technology and Communication administrative, scientific and technical staff, and the Henri-Tudor public research center.

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