

1. Record Nr.	UNINA9910484897603321
Titolo	Rapid Integration of Software Engineering Techniques : Second International Workshop, RISE 2005, Heraklion, Crete, Greece, September 8-9, 2005, Revised Selected Papers // edited by Nicolas Guelfi, Anthony Savidis
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
ISBN	3-540-34064-5
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (X, 290 p.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 3943
Altri autori (Persone)	GuelfiNicolas <1965-> SavidisAnthony
Disciplina	005.1
Soggetti	Software engineering Computer science Electronic data processing - Management Software Engineering Computer Science Logic and Foundations of Programming IT Operations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Doing More with Contracts: Towards Automatic Tests and Proofs -- Using Stepwise Feature Introduction in Practice: An Experience Report -- Rapid System Development Via Product Line Architecture Implementation -- User Centred Rapid Application Development -- Software Testing with Evolutionary Strategies -- A Technique to Represent Product Line Core Assets in MDA/PIM for Automation -- Modeling Safety Case Evolution -- Examples from the Air Traffic Management Domain -- Type-Driven Automatic Quotation of Concrete Object Code in Meta Programs -- Dynamic Imperative Languages for Runtime Extensible Semantics and Polymorphic Meta-Programming -- Context-Aware Service Composition in Pervasive Computing Environments -- Can Aspects Implement Contracts? -- Aspects- Classes Integration Testing Strategy: An Incremental Approach -- Prototyping Domain Specific Languages with COOPN -- An Improved

Case-Based Approach to LTL Model Checking -- Synthesized UML, a Practical Approach to Map UML to VHDL -- Towards Service-Based Business Process Modeling, Prototyping and Integration -- Formal Development of Reactive Fault Tolerant Systems -- Network Structure and Traffic Modeling and Simulation with CO-OPN -- Balancing Agility and Discipline with XPrince -- Extreme89: An XP War Game.

Sommario/riassunto

RISE 2005 (<http://rise2005.ics.forth.gr/>) was the second annual international workshop of the ERCIM (European Research Consortium for Informatics and Mathematics - <http://www.ercim.org/>) Working Group on Rapid Integration of Software Engineering techniques (RISE - <http://rise.uni.lu/>). RISE is an international forum for researchers and practitioners interested in the advancement and rapid application of novel, integrated, or practical software engineering approaches being part of a methodological framework, which apply to the development of new or evolving applications and systems. RISE provides an opportunity to present and discuss the latest research results and ideas in the rapid and effective integration of software engineering techniques. Target application domains of interest to RISE include:

- Web-based software systems
- Mobile communication systems
- High-availability or mission-critical systems
- Resilient business and grid applications
- Ambient intelligence environments
- Embedded systems and applications
- User interface development
- Development environments
- Electronic entertainment
- Enterprise computing and applications

In particular, RISE 2005 focused on an open and inclusive set of key software engineering domains, which formed the focal point of the workshop, including, but not limited to:

- Software and system architectures
- Software reuse
- Software testing
- Software model checking
- Model-driven design and testing techniques
- Model transformation
- Requirements engineering
- Lightweight or practice-oriented formal methods
- Software processes and software metrics
- Automated software engineering
- Design patterns
- Design by contract
- Defensive programming.
