Document driven disciplined development of software p. 2
The challenges of managing a global software engineering capability: theory to practice p. 4
Virtual machines, managed code and component technology p. 5
Model-driven development within a legacy system: an industry experience report p. 14
Consistent code generation from UML models p. 23
Extending XML for model composition p. 31
Improving goal and role oriented analysis for agent based systems p. 40
Tackling the complexity of requirements engineering process improvement by partitioning the improvement task p. 48
Merging requirements views with incompleteness and inconsistency p. 58
Australian software development: what software project management practices lead to success? p. 70
Evaluation of effects of pair work on quality of designs p. 78
Defining autonomic computing: a software engineering perspective p. 88
A UML approach to the generation of test sequences for Java-based concurrent systems p. 100
A tool to support perspective based approach to software code inspection p. 110
Obtaining probabilistic dynamic state graphs for TPPAL processes p. 118
A process-based semantics for message sequence charts with data p. 130
A formal method for program slicing p. 140
Towards a schema representation through design matrices p. 149
Supporting dynamic software tool integration via Web service-based components p. 160
Operational management contracts for adaptive software organisation p. 170
Parsing and semantic modelling for software engineering applications p. 180
Adapting the personal software process (PSP) to formal methods p. 192
Automatic measurement of a QoS metric for Web service recommendation p. 202
Detecting indirect coupling p. 212
Refinement laws for verifying library subroutine adaptation p. 224
Specification-based retrieval strategies for component architectures p. 233
A formal description of design patterns using OWL p. 243
Software reuse across robotic platforms: limiting the effects of diversity p. 252
A comparison of reverse engineering tools based on design patterns decomposition p. 262
ReArchJBs: a tool for automated software architecture recovery of JavaBeans-based applications p. 270
Formulating the architectural design of enterprise applications as a search problem p. 282
A study of the in-practice application of a commercial software architecture p. 292
Practical application of formal methods for specification and analysis of software architecture p. 302
Curriculum development in educating undergraduate software engineers - are students being prepared for the profession? p. 314
Quality assurance in a student-based agile software engineering process p. 324
Deriving systems level security properties of component based composite systems p. 334