

Editorial

It is a pleasure to present to our readers the third issue of the e-Informatica Software Engineering Journal (ISEJ).

The mission of the e-Informatica Software Engineering Journal is to be a prime international journal to publish research findings and IT industry experiences related to theory, practice and experimentation in software engineering. The scope of the journal includes methodologies, practices, architectures, technologies and tools used in processes along the software development lifecycle, but particular interest is in empirical evaluation.

The third issue of the journal includes nine papers. Eight of the papers are extended versions of the best papers presented at the CEE-SET'2008 conference (IFIP Central and Eastern European Conference on Software Engineering Techniques) carefully selected by the editors, while the ninth is a regular paper.

The first of the papers by Ionita et al. presents how domain modelling may leverage the hierarchical composition, supporting two orthogonal mechanisms for composing completely autonomous parts. The vertical mechanism is in charge of coordinating heterogeneous components, tools or services at a high level of abstraction, by hiding the technical details. The result of such a composition is called “domain” and is characterised by a Domain Specific Language (DSL). The horizontal mechanism composes domains at the level of their DSLs, even if they have been independently designed and imple-

mented. The second paper by Vrani et al. describes the approach to aspect-oriented change realization based on a two-level change type model in the web application domain. The third paper by Nikiforova proposes two hemisphere model driven approach for generation of UML class diagram. The fourth paper by Franců and Hnětynka presents an approach that allows automated generation of executable code directly from the use cases written in a natural language. The fifth paper by Majtás presents tool based support of the pattern instance creation on the model level in a semi automatic way. The sixth paper by Ratkowski et al. demonstrates a transformational approach to the design of executable processes in Business Process Execution Language (BPEL). The seventh paper by Winter and Rönkkö is about balancing agile and formal usability test results. The eighth paper by Samolej and Szmuc focuses on a new software tool for web-server systems development. The tool consist of a set of predefined Hierarchical Timed Coloured Petri Net (HTCPN) structures – patterns. The last paper by Rychlý is a regular one and presents the component model that addresses component mobility including dynamic reconfiguration, allows to combine control and functional interfaces, and separates a component's specification from its implementation.

We look forward to receiving quality contributions from researchers and practitioners in software engineering for the next issue of the journal.

Editors
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