ISDE 2013 PC Co-Chairs Message

Information System in Distributed Environment (ISDE) is swiftly becoming a prominent standard in this globalization generation due to advancement in information and communication technologies. In distributed environments, business units collaborate across time zones, organizational boundaries, work cultures and geographical distances, to an increasing diversification and growing complexity of cooperation among units. The main expected benefits from Distributed Software Development (DSD) are improvements in development time efficiency, being close to the customers and having flexible access to greater and less costly resources. Despite the fact that DSD is widely being used, the project managers and professional face many challenges due to increased complexity, cultural as well as various technological issues. Therefore, it is crucial to understand current research and practices in these areas.

Following selected papers of ISDE 2013 international workshop in conjunction with OTM conferences present recent advances and novel proposals in this direction.

Javier Criado, Luis Iribarne, and Nicolas Padilla presented an approach for the runtime generation of Platform Specific Models (PSMs) from abstract definitions contained in their corresponding Platform Independent Models (PIMs). Marta Cimitile, Pasquale Ardimento and Giuseppe Visaggio, presented an experiment in an industrial context in which authors have compared the software development supported by Knowledge Experience Package (KEP) with the development achieved without it. Alok Mishra and Deepti Mishra discussed the role of software architecture and distributed software development.

Amit Raj, Stephen Barrett, Siobhan Clarke discussed the problem of deriving causal relationships of faults in adaptive distributed systems in their paper titled "Run-time Root Cause Analysis in Adaptive Distributed Systems". Deepti Mishra, Alok Mishra, Ricardo Colomo-Palacios, and Cristina Casado-Lumbreras presented a systematic literature review of global software development and quality management.

Jukka Kääriäinen, Susanna Teppola, Antti Välimäki provided a concept solution of upgrade planning for automation systems based on real life case study. In their paper on Inconsistency-tolerant Business Rules in Distributed Information Systems, Hendrik Decker, and Francesc D. Muñoz-Escoí outlined a measure-based inconsistency-tolerant approach to business rules maintenance for distributed applications. Adel Taweel, Emilia Garcia, Simon Miles, Michael Luck in their study "Agent-Oriented Software Engineering (AOSE) of Distributed eHealth Systems" discussed the use of AOSE to develop a particular distributed ehealth system, IDEA, and evaluates its suitability to develop such systems in general.

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Y.T. Demey and H. Panetto (Eds.): OTM 2013 Workshops, LNCS 8186, p. 262, 2013.