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Enterprise and Organizational Modeling and Simulation

7th International Workshop, EOMAS 2011
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Selected Papers

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Preface

Twenty-First century enterprises are crucial components in delivering service to society and contributing to economic prosperity. Service is delivered when an enterprise conducts its business within its business environment. With the growing complexity of modern business processes and continuously changing business environment, enterprise study requires profound engineering approaches with properties such as ability for reengineering, scalability, adaptability, and reimplementation. Enterprises are purposefully designed and implemented systems to fulfill certain functions. As any system, enterprises are objects of continuous improvements, redesign, and reimplementation. Usually, a redesigning activity is triggered by changes in the business environment, where the enterprise is functioning (delivering its service), or by an internal need for efficiency. The departure point for any design or redesign activity pertinent to an enterprise is first to understand the enterprise business processes. Therefore, in the overall enterprise engineering activities, business process modeling plays a central role. However, an extended enterprise and organizational study involves both analysis and design activities, in which modeling and simulation play prominent roles. The growing role of modeling and simulation is attracting the serious attention of researchers in the context of enterprises. Modeling and simulation are the tools and methods that are effective, efficient, economic, and widely used in enterprise engineering, organizational study, and business process management. Complementary insights of modeling and simulation in enterprise engineering constitute a whole cycle of study of enterprises. In order to monitor and study business processes and interaction of actors in a realistic and interactive environment, simulation has proven to be a powerful tool and method, especially if simulation is supported with rich animation and gaming elements. In order to explore these topics, address the underlying challenges, find and improve solutions, and demonstrate applications of modeling and simulation in the domain of enterprise, its organization and underlying business processes, peer-refereed papers were accepted for presentation at EOMAS 2011. EOMAS 2011 was held on June 20–21, 2011 in London, UK, in conjunction with CAiSE 2011.

June 2011 Joseph Barjis

Organization

The EOMAS workshop is annually organized as an international forum for researchers and practitioners in the field of enterprise and organization modeling and simulation. Organization of this workshop, planning, and review of the contributions were accomplished by an international team of researchers.

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- SIGSIM (**S**pecial **I**nterest **G**roup on **S**imulation of the Association for Computing Machinery) - in collaboration
- CAiSE 2011 (International **C**onference on **A**dvanced **I**nformation **S**ystems Engineering)
- TU Delft (Delft University of Technology Department of Systems Engineering)

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