

# Preface

Modern enterprises are growing in complexity in all dimensions from IT landscape to intricate business processes and workflows. Not only the internal factors, but also the external ones play a significant role in constant changes that an enterprise has to make. Efficiency of these enterprises is crucial in delivering service to the society and contributing to economic prosperity. For designing and redesigning an efficient and well-integrated enterprise, while qualitative methods play an important role, quantitative methods reinforce to make profound design decisions.

With this purpose, EOMAS was launched to become a forum among researchers and practitioners to share their research and practical findings. In this forum we encourage dissemination of research results under a more generic umbrella called enterprise engineering.

As any system, an enterprise is an object of continuous improvements, redesign, and reimplementation. 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 not only modeling but also simulation plays a prominent role. Therefore this growing importance of modeling and simulation in the context of enterprises is attracting serious attention from researchers. Today, 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 2014, which was held on June 16–17, 2014, in Thessaloniki, Greece. This year, we had a total of 22 paper submissions, of which 12 were accepted for publication.

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Joseph Barjis  
Robert Pergl

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