It is our great pleasure to welcome you to the Fifth workshop on Engineering Complex Distributed Systems (ECDS-2011), which will be held in conjunction with the 5-th International Conference on Complex, Intelligent and Software Intensive Systems (CISIS-2011) from 30 June, 2011 to 2 July, 2011 at Korean Bible University (KBU), Seoul, Korea.

In the past, this field included technology concerns related to middleware solutions, dealing with the heterogeneity of the miscellaneous hardware and software environments and computing infrastructure. These technologies have been used to address the integration of existing legacy applications and improve the interoperability between applications across enterprises. The advances in wireless communication and pervasive computing extend this traditional wired area of distributed systems and make new advanced applications possible. The complexity of today’s applications requires additional approaches to be able to realize an enterprise application time- and cost-saving. This includes the ability to model business processes, business policies, and event-oriented aspects of large systems and express these models through design solutions to address the complexity of enterprise applications and ease software design efforts. In addition, the engineering of complex distributed systems also requires a good understanding of the problem areas of concern for information systems and business administration, such as process management, supply chain management, security issues, electronic business, etc. These topics need to be addressed in order to deal with the complexity of today’s increasingly dynamic, mobile, cross-organizational, and cross-jurisdictional systems.

In this workshop various aspects of the design and implementation of distributed systems will be discussed. The scope of the presented papers ranges from engineering approaches and techniques to applications.

This workshop would not have been possible without the help of many people. First of all, we would like to thank all the authors for submitting their papers to our workshop. We also like to thank the program committee members and additional reviewers, who carefully evaluated the submitted papers.

We hope that you find the ECDS-2011 final program inspiring and that the workshop provides you with the opportunity to interact, share ideas with, and learn from other distributed systems researchers from around the world. We also encourage you to continue to participate in future ECDS workshops, to increase its visibility, and to interest others in contributing to this growing community.

ECDS-2011 Workshop Co-Chairs

Markus Aleksy, ABB AG Corporate Research Center, Germany
Leonard Barolli, Fukuoka Institute of Technology, Japan
Makoto Takizawa, Sekei University, Japan