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Yuhua Luo (Ed.)

Cooperative Design, Visualization, and Engineering

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Proceedings

Volume Editor

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Preface

The 6th International Conference on Cooperative Design, Visualization and Engineering CDVE 2009 was held in central Europe - Luxembourg. Participants from five continents came together to celebrate this annual event.

The papers published in the conference in this volume reflect the new progress in the following aspect.

Research in developing cooperative applications is currently focusing on two directions. One is the cooperation in the software development process and the other is the variety of the targeted cooperative software products. Many papers address how to facilitate cooperation in the software engineering process particularly global software engineering. The importance of sharing information in cooperation is emphasized by the authors. For example, papers that addressed the development of sharing mental models, tools for easily shared projects, sharing links for cross-media information spaces, sharing resources and transfer of knowledge among team members etc. have attracted special attention. Many papers presented in this volume are the research results of tackling problems in developing a great variety of cooperative software products. The targeted systems are cooperative support for music creation, cooperative process management systems, cooperative visualization systems for geographic information, cooperative cultural information sharing platforms, cooperative reasoning systems, cooperative sensor networks for environment monitoring, remote cooperative video vehicle monitoring systems etc. Another aspect of the papers in this volume is dealing with the problems in finer phases in the cooperative product production life cycle. The topics addressed range from partner selection for cooperation at the beginning, requirement gathering, requirement negotiation, to cooperative design, production to cooperative testing, and finally to cooperative system operation.

All these papers show that research and development in cooperative design, visualization, engineering and other cooperative applications has reached a finer stage. New focus points and new objectives for better cooperation are growing continuously.

The success of CDVE 2009 is the result of an international cooperative effort. I would like to express my thanks to our Program Committee, all the volunteer experts all over the world for reviewing our papers and providing generous help to assure the quality of the conference. I would also like to thank all the authors for their submission of high-quality papers to the conference.

I would like to express my special thanks to the Centre de Recherche Public - Gabriel Lippmann in Luxembourg and all the members of the organization team for their excellent job in organizing this conference. Our conference Organization Chairs Benoît Otjacques and Fernand Feltz have shown their high professionalism and responsibility in the organization work. Without their work and their

seamless cooperation with the UIB team in Spain, the success of CDVE 2009 would not have been possible.

Finally, this publication is a result of the main financial support of the Fonds National de la Recherche Luxembourg which we gratefully acknowledge.

September 2009

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