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# Making Globally Distributed Software Development a Success Story

International Conference on Software Process, ICSP 2008  
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Proceedings

Volume Editors

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## Preface

This volume contains papers presented at the International Conference on Software Process (ICSP 2008) held in Leipzig, Germany, during May 10-11, 2008. ICSP 2008 was the second conference of the ICSP series. The theme of ICSP 2008 was “Making Globally Distributed Software Development a Success Story.”

Software developers work in a dynamic context of frequently changing technologies and with limited resources. Globally distributed development teams are under ever-increasing pressure to deliver their products more quickly and with higher levels of quality. At the same time, global competition is forcing software development organizations to cut costs by rationalizing processes, outsourcing part of or all development activities, reusing existing software in new or modified applications, and evolving existing systems to meet new needs, while still minimizing the risk of projects failing to deliver. To address these difficulties, new and modified processes are emerging, including agile methods and plan-based product line development. Open Source, COTS, and community-developed software are becoming more and more popular. Outsourcing coupled with 24/7 development demands well-defined processes to support the coordination of organizationally—and geographically—separated teams.

The accepted papers present completed research or advanced work-in-progress in all areas of software and systems development process including: agile software processes, CMMI, novel techniques for software process representation and analysis; process tools and metrics; and the simulation and modeling of software processes. Contributions reflecting real-world experience, or derived directly from industrial or open-source software development and evolution, were particularly welcome.

In response to the Call for Papers, 106 submissions were received from 22 different countries and regions including: Australia, Argentina, Belgium, Brazil, Canada, China, Finland, France, Germany, India, Iran, Italy, Ireland, Japan, Korea, Mexico, Sweden, Spain, Thailand, Turkey, UK, and USA. Each paper was rigorously reviewed and held to very high quality standards, and finally 33 papers from 14 countries and regions were accepted as regular papers for presentations at the conference.

The papers were clustered around topics and presented in five regular sessions organized in two parallel threads. Topics included Process Content, Process Tools and Metrics, Process Management, Process Representation, Analysis and Modeling, Experience Report, and Simulation Modeling.

Highlights of the ICSP2008 program were three keynote speeches, delivered by Christian Schmidkonz (SAP, Germany), Kesav Nori (Tata Consultancy Services, India), and Colette Roland (University of PARIS-1 Panthéon Sorbonne, France). ICSP also had a panel on Global Software Development. The panelist for this session were: Christian Schmidkonz (SAP, Germany), Kesav Nori (Tata Consultancy Services, India), and Brian Fitzgerald (University of Limerick).

A conference such as this can only succeed as a team effort. All of this work would not have been possible without the dedication and professional work of many colleagues. We wish to express our gratitude to all contributors for submitting papers.

Their work formed the basis for the success of the conference. We would also like to thank the Program Committee members and reviewers because their work is the guarantee for the high quality of the workshop. Special thanks go to the keynote speakers for giving their excellent presentations at the conference. Finally, we would also like to thank the members of the Steering Committee, Barry Boehm, Mingshu Li, Leon Osterweil, and Wilhelm Schäfer, for their advice, encouragement, and support.

We wish to express our thanks to the organizers for their hard work. The conference was sponsored by the International Software Process Association (ISPA) and the Institute of Software, the Chinese Academy of Sciences (ISCAS), and the ISCAS Laboratory for Internet Software Technologies (iTechs). We also wish to thank the 30th International Conference on Software Engineering (ICSE 2008) for sponsoring this meeting as an ICSE Co-Located Event. Finally, we acknowledge the editorial support from Springer in the publication of these proceedings.

For further information, please visit our website at <http://www.icsp-conferences.org/icsp2008>.

March 2008

David M. Raffo  
Qing Wang  
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# International Conference on Software Process 2008

Leipzig, Germany  
May 10–11, 2008

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