Welcome to ICGSE 2007

The “International Conference on Global Software Engineering” (ICGSE) series brings together experts from academia, research, and industry to jointly take advantage of each other’s knowledge and experiences. The ICGSE steering committee explicitly strives for a good mix of industrial and academic participation at all levels of the conferences, including the organizing committees, the conference program as well as to the attendees.

The first conference in the series was held October 16-19, 2006 in Florianopolis, Brazil and the foundation was set for the conference series to become the cutting edge on this important and fast-growing topic. The ICGSE 2007 continues that tradition, both in the quality of the submissions, the breadth of relevant topics and the mix of academia, research and industry. The conference program includes 29 papers selected from 100 submissions and address a broad range of topics, including technical, social, management and more. This year we have also included tutorials and workshops in the program as well as a poster session. A short overview of each tutorial and workshop is included in the proceedings. We thank the organizing, steering, and program committees for their efforts throughout this endeavour.

We gratefully acknowledge the financial support of five companies that have provided their support for the conference. These are Siemens, Microsoft Research, Dell IT, Avaya Labs, and IBM Research. The global software engineering community is a young and growing community and very interested in learning from each other and extending the global software engineering community network. It is especially worth noting that IBM Research’s support for the conference is explicitly oriented towards interested students in this area. From the industrial side, we particularly welcome the openness of many companies to share their positive and negative experiences in global software engineering. This helps give a “reality check” and also might serve to initiate future cooperation projects between industry and relevant academic and research institutions.

The conference series strives to have the conference be held each year in a different continent—taking the word “global” in “global software engineering conference” literally. One of the reasons for choosing Munich as the host city this year is that it is relatively easy for people from all around the world to travel to and is known also for its openness and hospitality. Munich is in the state of Bavaria, known as the home of “Laptops and Lederhosen”; i.e., known for its ability to mix high-tech culture symbolized by a laptop with more traditional values and culture symbolized by the Lederhosen (traditional knee-length leather trousers). We hope that the spark of excitement and friendliness that Munich is known for will kindle the spirit of the ICGSE 2007 and help carry the torch forward to future conferences in this series.

Frances Paulisch, Siemens AG, General Chair
Philippe Kruchten, University of British Columbia, Program Co-Chair
Audris Mockus, Avaya Labs, Program Co-Chair
**Biography:** Dr. Frances Paulisch is a software “best practice” evangelist at the corporate technology division of Siemens AG in Munich, Germany. She is responsible for the best practice sharing part of the “Siemens Software Initiative”. The Software Initiative is a company-wide forum for sharing information and experiences on a broad spectrum of software engineering topics throughout globally distributed Siemens software community. Her main current areas of interest are measurement of software-based systems, requirements engineering, and global software engineering.

Frances is also the editor of OBJEKTspektrum, a German magazine on software engineering and management topics and is on the Advisory Board of the IEEE Software magazine. She received her doctorate at the University of Karlsruhe (Germany) in Computer Science in 1991. She is a member of the IEEE and the German “Gesellschaft für Informatik”.

**Biography:** Philippe Kruchten is professor of software engineering in the department of electrical and computer engineering of the University of British Columbia, in Vancouver, Canada. He joined UBC in 2004 after a 30+ year career in industry, where he worked mostly in with large software-intensive systems design, in the domains of telecommunication, defense, aerospace and transportation. Some of his experience is embodied in the Rational Unified Process (RUP) whose development he directed from 1995 till 2003, when Rational Software was bought by IBM. RUP includes an architectural design method, known as “RUP 4+1 views”. His current research interests still reside mostly with software architecture, and in particular architectural decisions and the decision process, as well as software engineering processes, in particular the application of agile processes in large and globally distributed teams. He is a senior member of IEEE CS, member of ACM and INCOSE, the founder of Agile Vancouver, and a Professional Engineer in British Columbia. He has a diploma in mechanical engineering from Ecole Centrale de Lyon, and a doctorate degree in informatics from Ecole Nationale Supérieure des Télécommunications in Paris.

**Biography:** Audris Mockus is interested in quantifying, modeling, and improving software development. He designs data mining methods to summarize and augment software change data, interactive visualization techniques to inspect, present, and control the development process, and statistical models and optimization techniques to understand the relationships among people, organizations, and characteristics of a software product. Audris Mockus received B.S. and M.S. in Applied Mathematics from Moscow Institute of Physics and Technology in 1988. In 1991 he received M.S. and in 1994 he received Ph.D. in Statistics from Carnegie Mellon University. He works in the Software Technology Research Department of Avaya Labs. Previously he worked in the Software Production Research Department of Bell Labs.
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