Message from the Chairs

大家好！欢迎您到北京来参加 SCAM 2008！

On behalf of the SCAM 2008 Conference and Program Committee, we enthusiastically welcome you to Beijing, China, for the 8th IEEE International Working Conference on Source Code Analysis and Manipulation. SCAM 2008 is co-located with the 24th IEEE International Conference on Software Maintenance (ICSM 2008) and the IEEE 10th International Symposium on Web Site Evolution.

The aim of the SCAM Working Conference is to bring together researchers and practitioners working on theory, techniques, and applications that concern analysis and/or manipulation of the source code of computer systems. Software technologies are used in all facets of our lives and are key factors in the success of several industries, including the telecommunications, biomedical, automotive, and aerospace industries. All of these industries develop, contract, and/or acquire significant amounts of software every year. This vast amount of software must be evolved and updated to meet continually changing contextual, legislative, and market-driven conditions. While much attention in the wider software engineering community is directed toward other aspects of systems development and evolution, such as specification, design, and requirements engineering, it is the source code that contains the ultimate, precise, and sometimes only, complete description of the behavior of the system. The analysis and manipulation of source code thus remain a pressing concern. SCAM is a working conference: paper presentations are kept short and focused, with time reserved for general discussion of issues raised during each session. This always leads to an interesting and stimulating interactive discussion.

This year we received 61 full paper and six tool demo submissions, from which we have selected 23 excellent full papers and five tool demos for presentation and inclusion in the proceedings. The papers cover a broad range of topics in source code analysis and manipulation, including slicing, refactoring, transformation, static analysis, program comprehension, metrics, and empirical studies. All papers were fully reviewed by three or four Program Committee members for relevance, soundness, and originality. We extend our sincere gratitude to the Program Committee and reviewers for their timely and constructive reviews, and special thanks to those who actively participated in the discussions of the final selections.

We sincerely thank this year’s Keynote Speaker, Dr. Paul Anderson, Vice President of Engineering at GrammaTech Inc., developers of the CodeSurfer/CodeSonar static analysis platform, for his keynote presentation and accompanying paper. We are pleased to have such a distinguished speaker who understands the importance and practical challenges of source code analysis in the industrial sector.

We gratefully acknowledge the sponsors of SCAM 2008, who have made the event possible: the IEEE Computer Society Technical Council on Software Engineering, Semantic Designs Inc., SAP, the Reengineering Forum (REF) industry association, and the Centre for Research on Evolution, Search and Testing at King’s College London. Special thanks to the organizers of ICSM 2008 for their help in co-location and to the SCAM 2008 Organizing Committee: Lu Zhang for local arrangements; Zheng Li for publicizing the conference and running the Web site; Dave Binkley for financial arrangements; Keith Gallagher for organizing the tool demonstrations; Dawn Lawrie for managing the proceedings; and Kamel Ayari for supporting the submission process. Finally, we thank Stephanie Kawada of the IEEE Computer Society for her invaluable assistance in the preparation of the conference proceedings.

We hope that you will find the conference stimulating and rewarding, and we trust that you have a very enjoyable stay in Beijing. We certainly will.

Giuliano Antoniol and Jianjun Zhao
General Chairs

James Cordy and Lu Zhang
Program Chairs