Salut!

On behalf of the SCAM 2007 Conference and Program Committees, we enthusiastically welcome you to Paris, France, for the 7th IEEE International Working Conference on Source Code Analysis and Manipulation. The conference is co-located with the 23rd IEEE International Conference on Software Maintenance (ICSM 2007).

The aim of the SCAM conference is to bring together researchers and practitioners who work on theory, techniques, and applications that concern analysis and/or manipulation of the source code of computer systems. Invariably, it is this source code that contains the only precise description of the behavior of the system. While other venues address the applications of source code analysis and manipulation, the particular aim of SCAM is to focus on the algorithms and tools themselves—what they can achieve, and how they can be improved, refined, and combined. SCAM is also a working conference: Paper presentations are kept short and focused, and time is reserved for general discussion of the issues raised during the session. This always leads to stimulating discussions.

This year we received 74 full paper submissions and we have selected 19 excellent papers for presentation and inclusion in the proceedings; these papers cover a broad range of topics in source code analysis and manipulation, including slicing, refactoring, transformations, static analysis, comprehension, metrics, and empirical studies. All papers were fully reviewed by three or four Program Committee members for relevance, soundness, and originality. An acceptance rate of 25%—the lowest ever for SCAM—indicates a very strong technical program. We extend our sincere gratitude to the reviewers for their timely and constructive reviews; special thanks go to those reviewers who provided extra discussions for those papers that required them. And we are also obliged to the SCAM Steering Committee for their sage advice on a number of topics.

We thank Prof. Oege de Moor of Oxford University for his keynote presentation (and accompanying paper in the proceedings) on an object-oriented query language, named .QL, and its use for general navigation, bug finding, and enforcing coding conventions. We are very pleased to have such a distinguished speaker for SCAM 2007 who well understands both research- and industry-oriented concerns about source code analysis.

We also gratefully acknowledge the sponsors of SCAM 2007, who have made the event possible: The IEEE Computer Society Technical Council on Software Engineering, CEA Laboratoire d’Intégration des Systèmes et des Technologies, École Polytechnique (France), the Software Improvement Group, and the Centre for Research on Evolution, Search and Testing from King’s College London. Special thanks go to organizers of ICSM 2007 for their help in co-location, Matthieu Martel for local arrangements, Zheng Li for publicizing the conference, Dave Binkley for financial arrangements, Keith Gallagher for organizing the tool demonstrations, and Massimiliano Di Penta for managing CyberChair. And finally, we thank Stephanie Kawada from the IEEE Computer Society for aiding in the preparation of the conference proceedings.

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

Leon Moonen
General Chair

Michael W. Godfrey and Bogdan Korel
Program Co-Chairs