Message from the Chairs

Willkommen in Bremen!

After 14 successful editions of SCAM, we are delighted to welcome you to Bremen, Germany, for another edition of the IEEE International Working Conference on Source Code Analysis and Manipulation, collocated with the 31st IEEE International Conference on Software Maintenance and Evolution (ICSME 2015).

SCAM promotes discussion and interaction among researchers and practitioners working on theory, techniques and applications that concern analysis and manipulation of the source code of computer systems. We started out as compiler hackers, but now we also do MSR-type analysis and even code comprehension studies using technologies like Eye Tracking. Software plays an essential role in our lives, in ways both obvious and subtle, and will continue to do so in the years to come. While much attention in the wider software engineering community is directed towards other aspects of systems development and evolution, such as specification, design and requirements engineering, it is the source code that contains the precise, and sometimes only, definitive description of the behavior of the system. SCAM focuses on the techniques and tools themselves – what they can achieve, how they can be improved, refined and combined.

SCAM is a working conference. Hence, paper presentations are kept short and focused, with ample time reserved for general discussion of issues raised during each session. This always leads to interesting and stimulating interactive discussions. This year we have received 68 research papers submissions and 9 tool papers submissions, from which we have selected 24 excellent research papers and 6 great tool papers for presentation and inclusion in the proceedings. The papers cover a broad range of topics including: static analysis, dynamic analysis, source code transformation, software mining, performance analysis and source code visualization. We want to thank the authors of all submissions for sharing their research with the SCAM community.

Every paper was fully reviewed by three or more program committee members for relevance, soundness and originality, and discussed openly by the entire program committee before a unanimous, final decision was made. In total, we received 206 reviews, and an average of 5 comments per paper. Some papers received more than 15 comments. Hence, a big thank you to the program committee and external reviewers for their timely and constructive reviews, and special thanks to those who actively participated in the discussions of the final selections.

This year’s SCAM continues to feature an expanded tools track. We received 9 tool papers from which we have selected 6 tool papers for presentation and inclusion in the proceedings. Tool papers were evaluated by a separate committee, using the same acceptance criteria as the main track, complemented by tool specific criteria like making the tool (and example data) available for download and explaining the tool’s architecture and inner workings. These criteria follow directly from SCAM’s vision of providing a platform for sharing new advances and results with fellow researchers and practitioners, enabling the rapid progress of the field.

We are privileged this year to welcome as keynote speaker Dr. Julia Lawall who is a senior researcher at Inria Paris-Rocquencourt. Dr. Lawall's research interests are primarily in the area of improving the quality of infrastructure software, using a variety of approaches including program analysis, program
transformation, and the design of domain-specific languages. Over the years, she has contributed more than 1,000 patches to the Linux kernel as a direct result of her research on the reliability of the Linux kernel.

We gratefully acknowledge the several sponsors of SCAM 2015 who have made the event possible: the IEEE Computer Society Technical Council on Software Engineering, GrammaTech Inc., and Microsoft Research. We thank GrammaTech Inc. and Microsoft Research for the Student Travel Grants, and University of Waterloo, Polytechnique Montréal and Singapore Management University for their support. Special thanks to the organizers of ICSME 2015 for their help in colocation and to the outstanding SCAM 2015 Organizing Committee: advertising guru Sonia Haiduc for publicizing the conference; social media wizard Davy Landman for highlighting SCAM on various social media channels; the ever diligent Marcin Zalewski for managing and producing the proceedings; the always supporting Dave Binkley for financial arrangements; Gabriele Bovata for the flashy website; and Felienne Hermans for chairing the sensational tools track.

We hope that you will find the conference stimulating and rewarding, and that you have a very enjoyable visit to Bremen.

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