Message from the SCAM 2014 Co-Chairs

Having a good day, eh?

On behalf of the SCAM 2014 Conference and Program Committee, we enthusiastically welcome you to beautiful Victoria, Canada for the 14th IEEE International Working Conference on Source Code Analysis and Manipulation, co-located with the 30th IEEE International Conference on Software Maintenance and Evolution (ICSME 2014).

The aim of the SCAM working conference is to bring together researchers and practitioners working on theory, techniques and applications that concern analysis and manipulation of the source code of computer systems. Software plays an enormous role in our lives, in ways both obvious and subtle. This role will continue to expand and evolve. 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. 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 received 82 research papers from which we have selected 26 excellent research papers for presentation and inclusion in the proceedings. The papers cover a broad range of topics including static analysis, slicing, flow analysis, cloning, logical coupling, refactoring, change impact, etc. 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 final decisions were made. We extend our sincere gratitude 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 18 tool papers from which we have selected 9 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. Thomas Zimmerman of Microsoft Research. His keynote address *Large Scale Analysis of Software Repositories in Industry: Experiences from the CodeMine Project* was prepared with the help of his colleague Dr. Nachiappan Nagappan. Dr. Nagappan was unable to deliver the keynote due to extenuating circumstances. Thus we thank both Dr. Zimmerman and Dr. Nagappan for collaborating on this address and sharing their insights and experiences with us.

We gratefully acknowledge the several sponsors of SCAM 2014 who have made the event possible: the IEEE Computer Society Technical Council on Software Engineering for general support, Semantic Designs Inc. and GrammaTech Inc. for the Student and Early Career Travel Grants, and Microsoft Research for sponsoring the keynote address. We would also like to thank Loyola University Maryland, University of Alberta, and University of Molise for their support. Special thanks to the organizers of ICSME 2014 for their help in co-location and to the outstanding SCAM 2014 Organizing Committee: advertising wizard Sonia Haiduc for publicizing the conference; social media guru Veronika Bauer for highlighting SCAM on various social media channels; the ever-diligent Minhaz Fahim Zibran for managing and producing the proceedings; the always-supporting Dave Binkley for financial arrangements; Gabriele Bovata for the flashy website; and Foutse Khomh and Jonas Lundberg for co-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 Victoria and Vancouver Island, perhaps partaking of afternoon tea at the Empress, visiting Buchart Gardens or traveling up island to Tofino to see the wild Pacific Northwest.

Welcome to Victoria and enjoy the conference, eh?

Dawn Lawrie  
*General Chair*

Abram Hindle  
*Program Co-Chair*

Rocco Oliveto  
*Program Co-Chair*