Message from the Chairs

¡Hola!

On behalf of the Organizing Committee and the Program Committees, it is our great pleasure to welcome you to the 18th IEEE International Working Conference on Source Code Analysis and Manipulation (SCAM 2018). This year’s venue is in Madrid, Spain, where we are co-located with the 34th IEEE International Conference on Software Maintenance and Evolution (ICSME 2018). SCAM is organized to facilitate having a working, discussion-driven conference format, with shorter presentations and a dedicated discussion time during each session. We encourage you to share your thoughts on the presentations, participate actively in the discussions, and take advantage of breaks and other social times for more in-depth discussions and demos.

This year, the Research Track of SCAM received 85 abstracts and 64 full papers. Of these full papers, one had to be desk rejected because it was out of the scope of SCAM, leading to 63 full papers being considered in the review process. Every paper received at least three reviews by the PC members, and each was carefully discussed until a consensus was reached. All decisions were based solely on the quality of the papers and on the outcome of the discussions. We did not target either a minimum or maximum number of papers to be accepted. In the end, the program committee accepted 16 out of 63 full papers for the technical program. This corresponds to an acceptance rate of 25%. The accepted papers cover a broad range of topics including static analysis, program slicing, code search, empirical studies, tool support, code and architectural smells, code clones, and security.

The SCAM Engineering Track continued SCAM’s emphasis on tools, datasets and artifacts that demonstrate code manipulation and analysis. We received 22 abstracts and 18 full papers, with one desk reject for scope. A similar review phase to the research track ensued, and ultimately 10 of 18 full papers were accepted (56%). The topics covered include refactoring, robotics, clone detection, and many others. We look forward to seeing these engineering artifacts at the conference!

We will invite the authors of a selection of outstanding papers from both tracks to submit extended versions of their work to a special issue of the *Journal of Systems and Software*.

This year’s keynote is by Mark Harman and Peter O’Hearn, both of whom are at Facebook, Inc., while also being Professors at University College London. They will talk about their experiences designing multiple program analysis tools and then applying these tools at scale in an industry setting. This illustrates their exploration of potential research ideas that can work at scale, and how these experiences can help guide academic researchers towards research with a significant scientific and industrial impact.

Special thanks go to the outstanding SCAM 2018 Organizing Committee: Monika Gupta for managing the proceedings production; Dave Binkley for financial arrangements; Paige Rodeghero and Ştefan Stânciulescu for spreading the word about the conference; Ferenc Horváth for managing the conference website; and Valerio Cosentino for local arrangements. We are grateful
to Gregorio Robles and his ICSME organization team for their effective cooperation. Last but not least, we would like to thank the authors for submitting such high-quality papers, and the program committees for their careful review and discussion of every submission.

Enjoy the conference and all of the treats Madrid and Spain can offer!

Árpád Beszédes
General Chair

Emily Hill
Research Track Co-Chairs

Mark Hills

Neil Ernst
Engineering Track Co-Chairs

Johan Fabry