

Foreword

It is a great honor and privilege for us to present the program of the EMSOFT 2008 conference. The program covers a wide spectrum of issues related to embedded systems software, including modeling, implementation, optimization, model-based design, operating systems, file systems support, performance analysis and scheduling, networking, and energy-aware and real-time embedded systems.

Interest in the conference has been confirmed by the submission of papers from all over the world. A total of 110 submissions were received, of which 28 papers were accepted for presentation at the conference. Because of the format of the conference and the high number of submissions, many good papers could not be included. The papers were selected after a rigorous review process based on their originality, technical quality, and relevance to the conference. Each submitted paper was reviewed by at least three members of the program committee. The expert opinions of many external reviewers were invaluable, for which we express our sincere gratitude.

EMSOFT 2008 is again co-locating with CODES+ISSS and CASES, two major embedded systems conferences, in the Embedded Systems Week (ESWEEK). ESWEEK also includes six satellite workshops, on topics ranging from education to multimedia, security, cyber-physical systems, system design, and storage.

This year, EMSOFT is honored to host the ACM Turing Award Lecture by the 2007 Turing Award winners: Edmund M. Clarke, Allen E. Emerson, and Joseph Sifakis.

We would like to thank all the members of the Program Committee for their hard and expert work, as well as the many external reviewers for contributing their technical expertise. We would also like to thank the EMSOFT Executive Committee and the EMSOFT Advisory Board, who provided valuable guidance, and the ESWEEK organization, who worked hard for the success of the conference. Special thanks go to the ESWEEK 2008 General Chairs, Nikil Dutt, and Christoph Kirsch, for their guidance and hard work for the overall organization of the event. Finally, we thank the authors of all the submitted papers, who by entrusting us their finest work provided the key ingredient of a successful conference.

We hope that you will find the program interesting and thought provoking, and we hope that the symposium will provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world.

Luca de Alfaro

University of California, Santa Cruz

Jens Palsberg

University of California, Los Angeles