Message from the Chairs

The goal of the MEMOCODE conference series, the eighth in a series of successful international conferences, is to gather together researchers and practitioners in the field of the design of modern hardware and software systems in order to explore ways in which future design methods can benefit from new results on formal methods. MEMOCODE is unique in the way it merges the formal community with the hands-on design community, and it creates a forum where principle meets practice. MEMOCODE covers a spectrum of interesting co-design topics, and it attracts industry and academia to engage in an interesting dialog.

This shows in the number of submissions we received, and the level of competition to make it into the final program. MEMOCODE 2010 received 45 submissions from all over the world, of which 15 submissions were accepted into 5 sessions. Each submission received at least 4 reviews, and each paper was individually discussed online by the program committee. We are grateful to the submitters as well as to the reviewers for their outstanding contributions in creating a high quality program.

The organizers are grateful to Jordi Cortadella from Universitat Politecnica de Catalunya, Rupak Majumdar from University of California in Los Angeles and Eric Flamand from STMicroelectronics for agreeing to give invited talks at MEMOCODE 2010. Each day of the conference starts with a one-hour talk by these researchers. In addition, we have a tutorial session given by Alain Darte from CNRS/LIP on theories of loops and another one given by Josef Haid from Infineon Technologies on formal verification methods in low power design flows.

A conference is also a place to meet and to discuss. In keeping with tradition, MEMOCODE 2010 hosts a poster session to discuss work-in-progress that was submitted outside of the main conference track. Furthermore, Alain Girault from INRIA will moderate a panel on low power HW/SW design with expert panelists from academia and industry. In its tradition to marry practice and theory, MEMOCODE 2010 organized the fourth hardware/software co-design contest. 8 teams submitted a solution by the deadline, and a judging panel selected two winning teams. MEMOCODE includes a session to discuss the winning contributions to this year’s contest.

The organizing committee is also very grateful to the very large group of people that made this all happen: The 32 members of the technical program committee and their subreviewers, the local organizing committee including Saddek Bensalem and Christian Fabre, and the design contest judges. Finally, MEMOCODE enjoyed the generous support from the ACM Special Interest Group on Embedded Systems (SIGBED), ACM Special Interest Group on Design Automation (SIGDA), the IEEE Circuits and Systems Society (CASS), the IEEE Council on Electronic Design Automation (CEDA), University Joseph Fourier Grenoble, CRI PILSI, CNRS, INRIA, CEA LETI, Xilinx, and Grenoble INP.

We look forward to meeting you again at MEMOCODE 2011!

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