Message from the Technical Program Chairs

On behalf of the CODES+ISSS 2008 Technical Program Committees, we would like to welcome you to the 6th IEEE/ACM International Conference on Hardware/Software Co-Design and System Synthesis, part of ESWeek 2008 in Atlanta, Georgia.

CODES+ISSS is the premier conference for system-level design, with a focus on the design of embedded systems hardware, software, and tools. This year we continue the tradition of maintaining a high-quality forum for active discussion of current and innovative topics in embedded systems that bring together the latest in academic and industrial research and development. We selected the best of submitted papers through a rigorous review process, and have assembled an exciting program with a mix of keynote, special sessions, and regular papers.

This year we received 143 full paper submissions and selected 44 papers for publication, for an acceptance rate of 31%. The Program Committee carefully reviewed all papers, with an average of over 4.5 reviews per paper. The Committee then met face to face for a day just before DAC 2008, for detailed discussions on the papers. Final paper selections were based on overall quality and novelty; papers with the highest quality and novelty were compared across different topic areas to yield the absolute best set of papers overall. We trust you will find this year's program to be exciting and stimulating, representing important advances in theory and practice of system-level design and related areas.

We complemented the regular paper sessions with accompanying posters with a keynote address on "Co-Design in the Wilderness", given by Dan Gale, CTO of Canadian Microsystems Corporation. In addition, two special sessions, on design and defect tolerance beyond CMOS, and on transaction-level verification and debug, complement the regular papers and will give attendees additional insight into future technologies and current industrial practice.

CODES+ISSS is part of the growing Embedded Systems Week (ESWEEK) event that has become the premier international event in embedded systems research and development. CODES+ISSS is complemented by two other flagship sister conferences: EMSOFT (focused on embedded software), and CASES (focused on architecture and compilers). Registrants to ESWEEK are affiliated with a primary conference, but may attend sessions in any of the three conferences. Moreover, the technical programs of the three conferences, including keynotes, special sessions, panels, tutorials and workshops, have been carefully planned to avoid major overlaps and complement each other. ESWEEK blazes the embedded systems trail and is uniquely positioned to offer the best technical content for attendees in the areas of embedded systems design, tools, software, architecture and compilers.

The high technical quality of the CODES+ISSS program is a direct result of the dedicated efforts of the Technical Program Committee and numerous additional reviewers who contributed their time and expertise, as well as the authors who submitted their work to the conference. We are grateful for their efforts and thank them wholeheartedly. The continuing level of support and the involvement of industry highlights another key feature of CODES+ISSS: bridging both academic and industrial interests. Finally, we thank all the attendees who will bring the conference to life through their active participation for lively and interesting technical exchanges.

This year the conference takes place in the city of Atlanta, Georgia, U.S.A. Atlanta has a rich and varied history and is a lively place well-known among many milestones as the host city for the 1996 Summer Olympics. We hope you enjoy the conference and the location and we look forward to your participation in CODES+ISSS 2008!

Cathy Gebotys and Grant Martin
Technical Program Co-Chairs