Message from the CASES 2007 Conference Chairs

We welcome you to the 2007 International Conference on Compilers, Architecture, and Synthesis for Embedded Systems, the premier technical forum for the embedded system research community. We have again joined CODES+ISSS and EMSOFT for Embedded Systems Week (ESWEEK), this time in beautiful Salzburg, Austria in early October. We hope that you will take the opportunity to enjoy this beautiful historic city while you are here.

The Program Committee this year consisted of 29 experts from academic and industrial research institutions around the world. We received 77 excellent submissions. As always, the success of the selection process demands a great deal of work on the part of the committee members. Over the course of several weeks spent reviewing and obtaining outside reviews from the community, the committee produced a total of 360 reviews. We are pleased to say that the vast majority of papers received five reviews, and that all papers received at least three. On 10 June, we met in San Diego, California with 21 of the program committee members (as well as three more by phone) to select the final program.

We chose to accept 22 papers as full papers, and to accept another 11 as short papers, continuing the tradition started last year to recognize the breadth of the embedded systems community. Based on the number of submissions focusing on memory systems and particularly on scratchpad memories, we decided to invite Kevin O'Brien to give a talk on these aspects of IBM's Cell chip.

In addition to the CASES papers, the ESWEEK forum includes many exciting keynotes, tutorials, workshops, and panels, and we encourage you to take this opportunity to expand your horizons. Our keynote speaker is Trevor Mudge from The University of Michigan. His talk will be on ultra low power servers. The other keynote speakers include Jane Liu of Academica Sinica and Hermann Eul of Infineon. We are also excited that Walid Najjar has agreed to give a tutorial on compiling code accelerators on to FPGAs and that CASES will once again host the Compiler Assisted SoC Assembly (CASA) workshop, this year organized by Sri Parameswaran.

We would like to thank everyone who has helped to organize the conference. The ESWEEK Organizing Committee was particularly insightful and resourceful, handling many of the details and difficulties before we even knew about them. In addition to his role on the OC, Christoph Kirsch coordinated the facilities in Salzburg, while his student Silviu Craciunas provided the cover art. Ismet Bayraktaroglu designed the paper submission and review system, which is perhaps the best that we've ever seen from the organizer's point of view, and provided generously of his time to support us. Lisa Tolles oversaw the production of the proceedings, while Donatella Sciuto kept us informed and on schedule. We would also like to thank the CASES Steering Committee — Guang Gao, Wen-mei Hwu, Sharad Malik, Trevor Mudge, and Krishna Palem — both for their guidance as well as for giving us the opportunity to serve as the Conference Chairs for CASES'07.

Finally, we thank those of you whose efforts matter most to the success of the conference: the authors, the speakers, and the attendees. We are honored to have served as your Conference Chairs.

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CASES'07 General co-Chairs

CASES'07 Program co-Chairs