Message from the Workshop Chairs

Six years ago we saw the first in this series of workshops. However, the field of “hardware/software codesign” is much older than that. Designer have practiced co-design since the first microprocessors were used for implementing digital control. Today, microprocessors and microcontrollers are embedded in almost every electronic device we touch. The rest of the digital logic components of a system are also becoming reconfigurable with the advent and now wide diffusion of programmable logic. The future promises ever more programmability and a continued blurring of the lines between hardware and software implementation. The workshop thus serves a central purpose in helping to define a research community that is really emerging.

The sixth edition of the International Workshop on Hardware/Software Co-Design has generated the most submissions. Sixty-six papers were received of which twenty-four were selected by the technical program committee to appear in this volume (two declined to appear in the proceedings). To keep up with the rapid development of this field, the submission deadline was only three months before the workshop. The papers were kept to five pages to emphasize the central ideas rather than the rapidly changing details that are best discussed face-to-face. As in the past, presentations will have both verbal/visual components as well as an informal one as part of a poster session. In order to accommodate the growing number of submissions, this year we accepted an additional fifteen papers to be presented in the poster sessions. In addition, the workshop program includes two invited talks from industry and academia representatives who directly practice co-design and a group discussion group whom format has generated some of the most lively debate at past meetings. More information about this, and past workshops in this series, can be obtained from the web at either our North American or European sites.

http://www.cs.washington.edu/research/codes98/
http://polimage.polito.it/codes98/

We would like to especially thank the program committee for their diligent and thorough review of the submissions. The IEEE Computer Society was very accommodating to our accelerated schedule and helped us advertise and bring this proceedings together.

Welcome to Codes/CASHE ‘98

Gaetano Borriello
General Chair

Ahmed A. Jerraya and Luciano Lavagno
Co-Progam Chairs