Message from the Workshop Chairs

Five years ago we saw the first in this series of workshops. However, the field of "hardware/software co-design" is much older than that. Designers 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 even 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 just beginning to emerge.

This fifth edition of the International Workshop on Hardware/Software Co-design has generated by far the most submissions. Sixty-two papers were received of which twenty-nine were selected by the technical program committee to appear in this volume (three declined to appear in the proceedings). To keep up with the rapid development in 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 a formal verbal/visual component as well as an informal one as part of a poster session. In addition, the workshop program includes two invited talks from industry representatives who directly practice co-design and two group discussion topics whose 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/homes/gaetano/codes.html
http://www.ida.ing.tu-bs.de/codes.html

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 '97!

Rolf Ernst
General Chair

Gaetano Borriello
Program Chair