

## **Message from the Program Co-Chairs of HOT Chips VI**

Technology advances are making 0.5um CMOS mainstream and providing higher levels of performance and integration for BiCMOS and GaAs. CMOS advances are enabling improved cost/performance and functionality for reprogrammable microprocessors, embedded microprocessors, graphics, and multimedia applications. BiCMOS and GaAs developments are being deployed in high-bandwidth communications networks. The program encompasses recent research and development efforts in all these areas.

There continues to be tremendous diversity of developments in new hot chips. Many more abstracts were submitted than we could accept, and the program committee regretted having to reject excellent submissions on exciting topics. As in previous conferences, we encouraged designers to submit descriptions of their latest designs to determine whether they were ready for Hot Chips. We all understand that working on leading-edge technology is unpredictable; one consequence is that presentations selected for the program are sometimes withdrawn before the conference.

This year's program features several new superscalar designs, some executing instructions in-order and others executing instructions out-of-order. One session covers chipsets for some of these new processors. Several presentations cover new system architectures and chips for graphics and video. Some of the hottest chips address high-performance network connections.

Many people have contributed to the preparation for this conference. We would like to thank everyone who submitted an abstract. We have enjoyed working with the other program committee members in selecting the presentations and preparing for the sessions. We recognize the contributions of the organizing committee for preparing the operation of the conference, so we could concentrate on the program. We especially thank the presenters and panelists for taking time from their other activities to prepare and present the material we will hear at the conference. Lastly, and most importantly, we thank all of you in attendance for your interest and for creating the stimulating environment and discussions that enrich the conference.

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Program Committee Co-Chairs  
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