Message from the Conference Chair

Welcome to the third conference on Massively Parallel Processing Using Optical Interconnections, a conference that has evolved, within a couple of years, from a small workshop to a major meeting with an important role to fulfill.

Optical technology has made valuable contributions to high speed large and local area networks, and it is almost certain that optical interconnections will play a very important role in future generations of high-performance computer systems. The fulfillment of that role, however, requires collaborative efforts among researchers in both the computer science and engineering community, and the optics community. The goal of MPPOI is to create a forum for the exchange of ideas between these two communities, in addition to providing each of the two communities an opportunity to focus on the potentials and impacts that optical interconnections can have on massively parallel processing.

MPPOI has been successful in achieving its goal. This is most evident by its high quality technical program which reflects a clear interdisciplinary flavor and by the affiliation of its sponsors and co-sponsors: the IEEE Computer Society’s Technical Committee on Computer Architecture, the ACM Special Interest Group on Architecture, the IEEE Lasers and Electro-Optics Society, the Optical Society of America, and the International Society for Optical Engineering.

I would like to thanks Eugen Schenfeld for his willingness to volunteer his time and effort during the organization of this conference. The program committee, co-chaired by Allan Gottlieb and Yao Li, worked hard to ensure an excellent technical program. They deserve our gratitude. I would like also to acknowledge the support of the National Science Foundation in the form of a travel grant for women and minority faculty and students presenting their work at both last year’s and this year’s conferences.

I hope that this year’s program will be of benefit to all conference attendees. I also hope that your stay in Maui is as enjoyable as possible.

Rami Melhem

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