

Workshop on Optics and Computer Science (WOCS 2000)

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Preface

The research projects described on Optics and Computer Science Distributed Processing Symposium (IPDPS 2000) in Cancun, Mexico. Optical interconnects are parallel data-link levels. This interconnections. This interconnection between multiple integrated circuits (ICs) in a system. The unique capabilities (efficient wiring) enable efficient algorithms. Several papers in this section focus on such developments. At present time the device demonstrator/prototype to demonstrate the technology architectures and algorithms interconnects). A number systems and their underlying technology platform. On the technology front, been rapid. This is evidenced rise in the number of system demonstrators. However; to fully exploit the capabilities of chip-level optical interconnects, researchers and system integrat represent an effort to bring these groups together and facilitate their collaboration.

Primary focus areas for WOCS 2000 include, but are not limited to:

- High-Speed Interconnections
- Optical Interconnects
- Algorithms using Optical Interconnects
- Parallel Optical Architectures
- Reconfigurable Optical Interconnects and Architectures
- Applications of Optical interconnects
- Modeling of Optical Systems and Applications
- Performance Analysis and Comparisons
- Packaging of optical interconnects
- System Demonstrations
- Routing in Optical Networks

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