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# Parallel Algorithms for Irregularly Structured Problems

Third International Workshop

IRREGULAR '96

Santa Barbara, CA, USA, August 19-21, 1996

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## Foreword

The International Workshop on Parallel Algorithms for Irregularly Structured Problems *Irregular '96* is an annual workshop addressing issues related to deriving efficient parallel solutions for irregularly structured problems, with particular emphasis on the inter-cooperation between theoreticians and practitioners of the field. *Irregular'96* takes place in Santa Barbara from August 19 to 21, 1996, and is the third in this series of *Irregular* workshops. Previous workshops were held in Lyon (1995) and in Geneva (1994).

The scientific program of *Irregular '96* consists of seven sessions, namely, Sparse Matrix Problems, Partitioning and Domain Decomposition, Irregular Applications (I and II), Communication and Synchronization, System Support, Mapping and Load Balancing. The number of papers submitted was 51. Only 28 were selected. This volume contains the selected papers plus papers by invited speakers. All papers published in the workshop proceedings were selected by the program committee on the basis of referee reports. Each paper was reviewed by at least three referees who judged the papers for originality, quality, and consistency with the themes of the conference.

We would like to thank all of the authors who responded to the call for papers, all of the referees, our invited speakers: T. Hagerup, H. Simon, R. Schreiber, T. Smith, K. Yelick, and the members of the program committee:

A. Ferreira, general co-chair, ENS Lyon  
J. Rolim, general co-chair, University of Geneva  
Y. Saad, program committee chair, U. of Minnesota  
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P. Widmayer, ETH Zurich

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June 1996

Afonso Ferreira, José Rolim, Yousef Saad, and Tao Yang

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