

Preface

The workshop on an Infrastructure for Mobile and Wireless Systems was held in Scottsdale, Arizona on October 15, 2001 and was funded by the National Science Foundation (NSF) and sponsored by the Telecommunications and Information Technology Institute of the College of Engineering at Florida International University (FIU), to establish a common infrastructure for the discipline of mobile and wireless networking, and to serve its rapidly emerging mobile and wireless community of researchers and practitioners. The workshop provides a single, cohesive, and high-quality forum for disseminating research and experience in this emerging field. Of significance is the integration of many diverse communities. The areas of mobile and wireless networking combine the best of both worlds, namely academia and industry. The objective of the workshop is to define and establish a common infrastructure of the discipline and to develop a consensus-based document that will provide a foundation for implementation, standardization, and further research.

Workshop Program Chairs Dr. Birgitta König-Ries (Universität Karlsruhe), and Dr. Peter Scheuermann (Northwestern University) and Vice Program Chair Dr. S.A.M. Makki (Queensland University of Technology), assembled a truly impressive program committee. Together with the program committee, they worked diligently to select papers and speakers that met the criteria of high quality and relevance to our various fields of interest. It takes time and effort to review a paper carefully, and every member of the program committee is to be commended for his/her contribution to the success of this workshop.

The papers contained in these proceedings focus on original research results in the areas of theory, design, implementation, and applications of mobile and wireless networks. They identify challenging problems facing the development of such technologies and provide novel, innovative, and fundamental advances in the areas. We sincerely believe you will find the manuscripts included in these proceedings to be of significant technical merit.

A lot of work went into organizing this workshop, forming this program, and producing the proceedings. We would like to express our deepest personal thanks to keynote speakers, invited speakers, speakers, Registration Chair Dr. E.K. Park (University of Missouri-Kansas), and the various workshop organizers for their efforts. We take this opportunity to acknowledge the excellent work done by Program Chairs Birgitta König-Ries and Peter Scheuermann, and by S.A.M. Makki (Vice Program Chair). In addition, we would like to thank Charles Perkins (Nokia), Peter Reiher (University of California at Los Angeles), Jari Veijalainen (University of Jyväskylä, Finland), Alexander Wolf (University of Colorado), and Ouri Wolfson (University of Illinois at Chicago) for their contributions towards this effort. We are grateful to NSF who generously funded this workshop. Specifically, we would like to thank Dr. Mukesh Singhal (University of Kentucky, Lexington/NSF) and Dr. Yuan-Chien (Randy) Chow (NSF).

We would also like to thank Dr. Modesto Maidique, President of Florida International University (FIU), Dr. Mark Rosenberg, Provost and Executive Vice President of FIU, Dr. Vish Prasad, Dean of College of Engineering at FIU, and other administrators and staff at FIU for their support and encouragement.

It was our great honor and pleasure to accept the responsibilities and challenges of general chairs. We are pleased to offer an excellent program, and we hope that you all took advantage of these opportunities for professional development. We hope that the workshop was stimulating, informative, enjoyable, and a fulfilling experience for all who attended.

September 2002

Kia Makki
Niki Pissinou

Organization

The NSF Workshop on an Infrastructure for Mobile and Wireless Systems was held in conjunction with the International Conference on Computer Communications and Networks, ICCCN. It was sponsored by NSF and the Telecommunications and Information Technology Institute at Florida International University.

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