Preface

This book contains the refereed proceedings of the 1st IFIP-TC6 Working Conference on Wireless-On-Demand Network Systems, WONS 2004. It was sponsored by the IFIP Working Groups 6.3 (*Performance of Computer and Communication Networks*) and 6.8 (*Mobile and Wireless Communications*), and aimed at becoming a premier international forum for discussions between researchers and practitioners interested in the evolution of Wireless Internet Access toward on-demand networking. Ad hoc, routing, localization, resource management, security, applications, performance and analytical models were topics covered in depth by technical papers in this book.

The conference received 77 submissions from 22 countries, showing the worldwide interest. With so many papers to choose from, the Technical Program Committee's job, providing a conference program with the highest quality, was challenging and time consuming. We finally selected 25 full papers for presentation in the conference technical sessions. To give researchers the opportunity to present the novel ideas they are starting to explore, we included in the technical program a poster session devoted to presenting preliminary research results: 7 short papers were selected for presentation in this session. Accepted papers and posters came from 15 different countries.

The technical program also included a keynote speech "Ad Hoc Wireless Networks: Protocols and Applications" by Prof. Mario Gerla, and a panel session devoted to the discussion of the conference topics between academics and industry representatives.

This event would not have been possible without the enthusiasm and hard work of a number of colleagues. A special thanks to the TPC members, and all the referees, for their invaluable help in reviewing the papers for WONS 2004. We would also like to thank all the authors who submitted their papers to this conference for their interest and time, as well as the Springer-Verlag LNCS staff, and Alfred Hofmann in particular, who helped to produce this volume with high standards.

Last, but not least, our very special thanks goes to the people in Trento who made the WONS 2004 event possible, and made this book a reality: Sandro Pera for his continuing organization, Mauro Brunato for solving most of the formatting problems (not only in the book) with creativity, Alessandro Villani for making things work every day and night, Erika Csép and Leonor Hernández Diaz for managing all WONS-related problems, including those of the colocated events relating to the EURO, INTREPIDO, TANGO, and VICOM research projects, and Elisabetta Nones and Paola Bodio for their logistics expertise.

November 2003

Roberto Battiti
Marco Conti
Renato Lo Cigno

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Organization

WONS 2004 was organized by the "Computer Networks and Mobile Systems" Research Program of the Department of Informatics and Telecommunications (DIT) of the University of Trento, Italy, with the help of the Events and Meetings Office of the same university. WONS 2004 was sponsored by IFIP, through the Working Groups 6.3 and 6.8.

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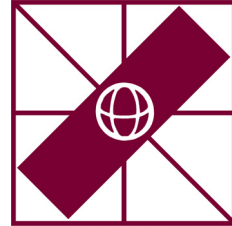
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