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Preface

Recent advances in cutting-edge wireless communication and computing technologies have paved the way for the proliferation of ubiquitous infrastructure and infrastructureless wireless networks. These emerging networks are enabling a broad spectrum of applications ranging from critical infrastructure protection and security, to environment monitoring, health care, and quality of life. The need to deal with the complexity and ramifications of the ever-growing mobile users and services, however, is intensifying the interest in the development of sound fundamental principles, novel algorithmic approaches, rigorous and repeatable design methodologies, and systematic evaluation frameworks for next-generation wireless networks.

The Third International Conference on Wireless Algorithms, Systems and Applications (WASA) was held in Dallas, TX, USA during October 26–28. The objective of WASA is to address the research and development efforts of various issues in the area of algorithms, systems and applications for current and next-generation infrastructure and infrastructureless wireless networks. The conference is structured to provide a forum for researchers and practitioners, from the academic, industrial, and governmental sectors, with a unique opportunity to discuss and express their views on the current trends, challenges, and state-of-the-art solutions addressing various issues related to current and next-generation wireless networks. Following a rigorous review process, the Program Committee selected an outstanding set of 35 papers for publication in the proceedings and oral presentations at the conference. The program of WASA 2008 also included three keynote talks by Lionel Ni, Ty Znati, and Jie Wu along with 15 invited papers.

Finally, we would like to express our gratitude to all the authors of the submissions, all the members of the Program Committee, all the members of the Organizing Committee, and the keynote speakers for making WASA 2008 possible and successful.

October 2008

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