Preface of WiNA’08

The First International Workshop on Wireless Network Algorithms (WiNA 2008), was in conjunction with IEEE Asia-Pacific Services Computing Conference (IEEE APSCC 2008), held in Yilan, Taiwan, December 9, 2008. WiNA, as an international workshop, is devoted to deeper understanding in the algorithms and fundamental problems of wireless networks including mobile ad hoc networks, wireless sensor networks, vehicular ad hoc networks, underwater sensor networks, and all kinds of multi-hop wireless networks. Wireless networks raise a number of interesting and undiscovered algorithmic issues, while traditional techniques are not sufficient to solve these problems in the right way. For example, the algorithms in vehicular ad hoc networks require a high degree of communication reliability, performance, scalability, security, and privacy-preserving technologies under harsh condition. Researchers need to design practical distributed and centralized algorithms and to introduce novel theoretical models or evaluation methodologies to challenge various kinds of research problems originated from these wireless networks.

Each submitted paper in WiNA 2008 was peer reviewed by at least three program committee members or external reviewers. It was difficult to select the presentations for the workshop because there were so many excellent ones. We finally decided to accept 14 papers for oral presentations. We believe all of these papers will not only provide novel ideas, but will also stimulate future research activities.

Without the support of many people, this workshop would not have been possible to make it a success. First of all, we would like to thank the program chair of APSCC 2008, Professor Ching-Hsien Hsu for valuable and helpful suggestions and guidance. We also thank the program committee members for their excellent reviewing jobs and swift promotion. Finally, we would like to take this opportunity to thank all the authors and participants for your contributions to make WiNA 2008 a grand success.

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