Message from the Workshop Chairs

On behalf of the organizing committee we welcome you to the First ACIS International Workshop on Self-Assembling Wireless Networks (SAWN) held on May 24, 2005 in conjunction with the 6th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD) at Towson University in Towson, Maryland, USA.

SAWN provides a forum for the exchange of ideas and results among industry practitioners and researchers working in the emerging area of self-assembling wireless networks. Original research papers and state-of-the-art surveys were solicited on all aspects of self-assembling wireless networks, including, but not limited to: modeling and optimization of heterogeneous self-assembling wireless networks, authentication, privacy, and security, dynamic networks and dynamic graph algorithms, dynamic frequency and channel assignment, multi-hop routing in heterogeneous ad hoc and sensor networks, multi-path forwarding for fault tolerance, wireless multicasting, performance of end-to-end protocols over wireless networks, data aggregation and management, caching and prefetching for information access in wireless networks, mechanisms design and cooperation enforcement, synchronization and scheduling issues in ad hoc wireless networks, resource management in mobile, wireless and ad hoc networks, energy saving protocols for ad hoc and sensor wireless networks, monitoring management in sensor networks, mobility and location management, and algorithms for multimedia QoS and traffic management. Following a rigorous review process, the program committee has selected an outstanding set of 14 papers for publication in the proceedings and oral presentation at the workshop.

We would like to thank all authors who submitted papers and the speakers who will give presentations at the workshop. We would also like to thank the program committee members (Piotr Berman, Jun-Hong Cui, Feodor Dragan, Dina Goldin, Aggelos Kiayas, Chia-Tien Dan Lo, Chung-Horng Lung, Pascale Minet, Yi Pan, S.S. Ravi, Alex Shvartsman, Yu Wang, and Rong Zheng) and external reviewers for volunteering their time and expertise to review and select the workshop papers. Last, but not least, we are grateful to the SNPD 2005 Conference Co-chairs, Chao Lu and Roger Lee, and Program Co-Chairs, Lawrence Chung and Yeong-Tae Song, for their help in organizing the workshop.

We hope you will find the technical program useful and informative and that attending SAWN 2005 will provide you with stimulating ideas and ample opportunities to meet other researchers from around the world. Enjoy!

Ion Mandoiu and Alexander Zelikovsky
Workshop Co-Chairs

Gruia Calinescu
Program Committee Chair