

Call for Papers

The Second IEEE International Workshop on Wireless Network Algorithm and Theory (IEEE WiNA-09)

Macau SAR, China, October 5, 2009

<http://wina2009.csie.chu.edu.tw/>

(Co-located with The Sixth IEEE International Conference on Mobile Ad-hoc and Sensor Systems)

The Second IEEE International Workshop on Wireless Networks Algorithm and Theory (WiNA-09), 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 wireless networks. The workshop is intended to encourage cooperation among researchers in wireless networking algorithms, and push the theoretical and practical research forward for a deeper understanding in the fundamental algorithm, modeling theory, and analysis techniques of wireless networks.

Co-Chairs

Xiang-Yang Li, Illinois Institute of Technology, USA
James Chang Wu Yu, Chung Hua University, Taiwan

Publicity Chair

GuoJun Dai, HangZhou DianZi University, China

Publication Co-Chairs

WenZhan Song, Washington State University, USA
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Fan Li, Beijing Institute of Tech, China
Fei Li, George Mason University, USA
MinMing Li, HongKong City University, Hong Kong
Qun Li, College of William and Mary, USA
Xu Li, Univeristy of Ottawa, Canada

All submissions must describe original research, not published or currently under review for another workshop, conference, or journal. WiNA-09 is in conjunction with *The Sixth IEEE International Conference on Mobile Ad-hoc and Sensor Systems* (IEEE MASS 2009) and all accepted papers will be published in IEEE Explore and included in EI index. Accepted papers must not exceed six single-spaced, double-column pages using 10 pt size fonts on 8.5×11 inch pages in IEEE style format. Papers must be submitted electronically through the following website:
<http://edas.info/N7628>

Workshop Topics (include but are not limited to the following)

- Algorithms and theory for wireless networks including mobile ad hoc networks, wireless sensor networks, vehicular ad hoc networks, underwater sensor networks, and any kind of multi-hop wireless networks
- Theoretical graph and geometric models for multiple-hop wireless networks
- Complexity analysis of algorithms for wireless mobile environments
- Routing algorithms and strategies in multi-hop wireless networks
- Power optimization strategies in mobile wireless networks.
- Throughput, capacity, and delay analysis on mobile wireless networks.
- Data and resource management in wireless mobile networks
- Clustering and cooperative strategies in mobile multi-hop wireless networks
- Coverage and survivability problems in wireless sensor networks

Zongpeng Li, University of Calgary, Canada
Benyuan Liu, Umass Lowell, USA
Chuan-Ming Liu, National Taipei University of
Technology, Taiwan
Wei Lou, The Hong Kong Polytechnic University, Hong
Kong
Kami Makki, Lamar University, USA
Manki Min, South Dakota State University, USA
Petar Popovski, Aalborg University, Denmark
Kui Ren, Illinois Institute of Technology, USA
Yi Shi, Virginia Tech, USA
My T. Thai, University of Florida, USA
Yu-Chee Tseng, National Chiao-Tung University, Taiwan
Natalija Vlajic, York University, Canada
Binod Vaidya, University of Beira Interior, Portugal
Xinbing Wang, ShangHai JiaoTong University, China
Weichao Wang, Univ. of North Carolina at Charlotte, USA
Yu Wang, University of North Carolina at Charlotte, USA
Lin-Chuan Wu, Chung Hua University, Taiwan
Tung-Kuang Wu, National Changhua University of
Education, Taiwan
Guoliang Xing, Michigan State University, USA
Boting Yang, University of Regina, Canada
Alex Zelikovsky, Georgia State University, USA
Jizhong Zhao, Xi'An JiaoTong University, China
(More TPCs are to be invited)

- Modeling for tracking and locating mobile users
- Information theory and network coding for multi-hop wireless networks
- Security, privacy, and cryptographic protocols theory for multi-hop wireless networks

Important dates of WiNA-09

- Registration Due: (1 May 2009)
- Submission Due: (10 May 2009)
- Notification of Acceptance: (10 July 2009)
- Final Camera-Ready Due: (24 July 2009)
- Workshop Dates: (5 October 2009)

Publication

Selected best papers in WiNA-09 will be invited to a special issue in *International Journal of Ad Hoc and Ubiquitous Computing* (SCIE, EI).