Call for Papers

The 8th International Workshop on Performance Evaluation of Wireless Networks (PEWiN-2016)

(Moscow, Russia, August 15~17, 2016)

http://people.chu.edu.tw/~pewin/2016

Co-located with the 9th International Conference on Ubi-media Computing (UMEDIA 2016)

http://2016.umediaconf.com/

Workshop on Performance Evaluation of Wireless Networks (PEWiN), as an international workshop, is devoted to deeper understanding in the performance evaluation and simulation techniques of wireless networks including mobile ad hoc networks, wireless sensor networks, vehicular ad hoc networks, underwater sensor networks, and all kinds of wireless networks. Wireless networks raise a number of interesting and undiscovered performance evaluation and simulation issues, while traditional techniques are not sufficient to analyze, evaluate, and simulate proposed wireless algorithms or systems in the right way. For example, the algorithms and systems in vehicular ad hoc networks require a high degree of communication reliability, short communication delay, scalability, security, and privacy-preserving technologies under harsh condition. Researchers not only need to design practical distributed and centralized algorithms, but also need to introduce novel theoretical models or evaluation methodologies to challenge various kinds of research problems originated from these wireless networks. The workshop is intended to encourage idea sharing and cooperation among researchers in wireless networks, and push the theoretical and practical research forward for a deeper understanding in the theoretical modeling, evaluation and analysis techniques, and simulation methods in wireless networks.

Workshop Chairs

Kun-Ming Yu, Chung Hua University, Taiwan

Chang Wu Yu, Chung Hua University, Taiwan

Publicity Chairs

Tong-Ying Juang, National Taipei University, Taiwan

Program Committee (to be invited)

Hong-Yi Chang, National Chiayi University, Taiwan

Yue-Shan Chang, National Taipei University, Taiwan

Xuhui Chen, Xiamen University of Technology, China

Victor Govindaswamy, Concordia University Chicago, USA

Yao-Nan Lien, National Chengchi University, Taiwan

Chuan-Ming Liu, National Taipei University of Technology, Taiwan

Zhefu Shi, University of Missouri, USA

Binod Vaidya, University of Ottawa, Canada

Yao-Tien Wang, HungKuang University, Taiwan

Guowei Wu. Dalian University of Technology, China

Qin Xin, University of the Faroe Islands, Denmark

Li-Hsing Yen, National University of Kaohsiung, Taiwan

Shyan-Ming Yuan, National Chiao Tung University, Taiwan

Baokang Zhao, National University of Defense Technology, China

Submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of exposition. Do not exceed 6 single-space double column, 8.5×11-inch pages (including figures, tables and references) in 11 point Times Roman or similar font. Number each page. Include an abstract, five to ten keywords, the technical area(s) most relevant to your paper, and the corresponding author's e-mail address. Submissions should represent original, substantive research results.

We will not accept any paper which, at the time of submission, is under review for or has already been published (or accepted) for publication in another conference or journal. Submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of exposition. All papers will be refereed by at least two members of the program committee. All submitted papers MUST be formatted according to the author guidelines provided by IEEE Computer Society Press (two-column format) and MUST NOT be longer than SIX pages Please prepare your paper in a PDF file and upload your paper via the following link:

https://www.easychair.org/conferences/?conf=umedia2016

(Please select the track of the 8th International Workshop on Performance Evaluation of Wireless Networks)

Selected best papers from PEWiN 2016 will be invited to the Special Issue on "Wireless Rechargeable Sensor Networks," in Energies (impact factor 2.072) for possible publication.

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

− Performance models for wireless networks including mobile ad hoc networks, wireless sensor networks, vehicular ad hoc networks, underwater sensor networks, and any kind of wireless networks

− Simulation methods and comparisons for any kind of wireless networks

− Software tools for network performance and evaluation

− Case studies demonstrating the role of performance evaluation in the design of any kind of wireless networks

− Quantitative analysis techniques of any kind of wireless networks

− Probabilistic models for any kind of wireless networks

− Traffic models for any kind of wireless networks

− Mobility models for any kind of mobile wireless networks

− Network performance improvement through optimization techniques

− Evaluation of existing tools and techniques in wireless networks

− Queuing and network information theoretic analysis of wireless networks

− Tracing and trace analysis of wireless networks

− Multimedia techniques in wireless networks

− Automatic performance analysis of wireless networks

Important dates of PEWiN-2016

● Full Paper Due (extended): (31 March 2016)

● Notification of Acceptance: (15 April 2016)

● Final Camera-Ready Due: (15 May 2016)

● Workshop Dates: (15~17 August 2016)