

CALL FOR PAPERS

DEADLINE EXTENDED, October 5th, 2007

4th IEEE PerCom Workshop on Pervasive Wireless Networking (PWN08)

<http://www.eecs.orst.edu/~benl/PWN08>

in conjunction with

6th Annual IEEE International Conference on Pervasive Computing and Communications (PerCom 2008) <http://www.percom.org>

Hong Kong

March 17-21, 2008

WORKSHOP OBJECTIVES

Wireless connectivity, mobility support, location awareness, and integration of wireless networks to the Internet are key research challenges in pervasive computing and communications. With the advent of inexpensive wireless solutions such as WiFi, WiMAX, Bluetooth, ZigBee, and RFID, a number of challenges arise when these protocols are applied to wireless PAN, home networking, WLANs, wireless mesh networks, Wireless MANs, and wireless broadband. This workshop seeks papers describing significant research contributions to the theory, practice, and evaluation of wireless networks for pervasive computing. Exploitation of emerging wireless technologies such as transmit power and rate control, spectral agility, adaptive carrier sensing, cooperative communication as well as application of existing technologies to new applications such as wireless mesh networks and sensor networks are especially welcomed. Technical papers describing original, previously unpublished research, not currently under review by another conference or journal, are solicited. Workshop topics include (but not limited to):

- Media access techniques and protocols
- Cognitive and cooperative MAC
- Mobility, location, and handoff management
- Power management and energy aware protocols
- Adaptive transmit and rate control
- Spectral agility and cooperative communication
- RFID systems and protocols
- Cross-layer design in mobile networks
- Mobile ad hoc and wireless mesh networks
- Distributed wireless sensor networks
- Wireless broadcast, multicast, and information diffusion
- Integration and internetworking of wired and wireless networks
- Wireless MANs and wireless broadband
- Self-configuration and distributed algorithms
- Quality-of-service issues and traffic management
- Network architectures and testbeds
- Modelling and performance evaluation
- Emerging wireless and mobile applications

SUBMISSION

Authors are requested to submit original papers of no more than 5 pages (standard IEEE proceedings two-column format), including figures, tables, and references in PDF format that include contact information of all the authors to Prof. Ben Lee (benl@eecs.orst.edu). If you have any questions regarding the submission process, please send e-mail to benl@eecs.orst.edu. Note that each accepted paper has to have one author registered as a full (non-student) technical session attendee. The papers from this workshop will be published in the proceedings of the 6th IEEE International Conference on Pervasive Computing and Communications by IEEE Press.

WORKSHOP CO-CHAIRS

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IMPORTANT DATES

October 5, 2007: Paper due (Extended)

November 23, 2007: Acceptance notification

December 21, 2007: Final camera ready paper due