

Call for Papers

2010 Workshop of

Mobile Computing, Wireless Communications, and Vehicular Technology

(Conjunction with ICS 2010)

December 16-18, 2010

National Cheng Kung University, Tainan City, Taiwan (R.O.C.)

<http://ics-2010.csie.ncku.edu.tw/>

Wireless communications technologies have enabled many of the conveniences in our lives. Ubiquitous access to information, anywhere, anytime, and anyplace, will characterize whole new kinds of information systems in the 21st century. These are being enabled by rapidly emerging wireless communications systems, based on WiMAX, cellular networks, wireless LANs, etc. On the other hand, technologies enabling e-Learning have increased the flexibility of the locations where learning takes place. Wireless communication technologies further increase the options for these locations. Advances in wireless communication technologies have recently provided the opportunity for educators to create new educational models. With the trend of the Ubiquitous-Learning (U-Learning) the educational media are becoming more mobilized, portable and individualized what the learning form is being modified spectacularly. This workshop is intended to foster state-of-the-art research in the areas of mobile computing, wireless communications and U-Learning by presenting a forum for novel results and solutions to solve various problems and challenges foreseen in these topics.

The topical areas covered by this workshop include but are not limited to:

- Mobile/wireless network architectures
- Mobile/location management in wireless networks
- Mobile computing applications/systems
- Performance modeling of wireless systems
- Algorithms for mobile computing
- Fault tolerance in mobile networks
- Distributed databases for mobile computing
- Pervasive computing
- Wireless communication protocols
- Energy-efficient software/ hardware design
- Sensor networks
- Wireless data services
- Multimedia/QoS mobile communications
- Wireless communication experiments and trials
- Next-generation wireless systems
- Security in wireless communications
- Human factors for mobile collaboration and interaction
- Ubiquitous computing
- Cross-layer protocol design
- Network architectures, system architectures

- Inter-working of vehicle-to-vehicle and vehicle-to-infrastructure communications
- Vehicle movement simulation
- Learning management systems
- Managed learning environments
- Virtual learning environments
- Computer-mediated communication tools
- Social support software
- Architecture of educational information systems
- Security and data protection
- Learning objects
- XML schemas and the semantic web
- Web 2.0 applications
- Teaching information literacy
- Electronic library and information search skills
- Education for computer-mediated communication

Paper Submission

Authors are invited to submit original papers: they must not substantially duplicate work that any of the authors have published elsewhere or have submitted in parallel to any other conferences that have proceedings. The submission of contributions to ICS 2010 Workshop occurs through the ICS 2010 Workshop paper submission website. Paper must be prepared with PDF. Submissions must not exceed 6 pages, including tables and figures, with only PDF. Submission of a paper implies that should the paper be accepted, at least one of the authors will register and present the paper in the conference. Details can be accessed through <http://ics-2010.csie.ncku.edu.tw/>.

Formatting Instructions:

8.5" x 11" x 2 (DOC, PDF)

<http://ics-2010.csie.ncku.edu.tw/index.php?page=cfp>

Important Dates

Paper Submission Due: Aug. 1st, 2010

Acceptance Notification: Sep. 15th, 2010

Final Camera-Ready Due: Oct. 10th, 2010

Conference Dates: December 16-18, 2010

Chair

Kuo-Feng Ssu, National Cheng Kung University, Taiwan

e-mail: ssu@ee.ncku.edu.tw

Co-Chair

Chia-Ho Ou, National Pingtung Institute of Commerce, Taiwan

e-mail: cho@npic.edu.tw

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