



MobiCom 2007

The Thirteenth Annual International Conference on Mobile Computing and Networking



September 4-9 2007 _ Montreal, QC, Canada
<http://www.sigmobile.org/mobicom/2007/>

Sponsored by ACM SIGMOBILE

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ACM MobiCom 2007, the Annual International Conference on Mobile Computing and Networking, is the thirteenth in a series of annual conferences sponsored by ACM SIGMOBILE dedicated to addressing the challenges in the areas of mobile computing and wireless and mobile networking. The MobiCom conference series serves as the premier international forum addressing networks, systems, algorithms, and applications that support the symbiosis of mobile computers and wireless networks. MobiCom is a highly selective conference focusing on all issues in mobile computing and wireless and mobile networking at the link layer and above. MobiCom 2007 will be held in September in Montreal, Quebec, Canada, and will be co-located with [MobiHoc 2007](#).

PAPERS: Authors are invited to submit full papers presenting new research related to the theory or practice of mobile computing and networking. All submissions must describe original research, not published or currently under review for another conference or journal. Areas of interest include, but are not limited to:

- Architectures, protocols, and algorithms to cope with mobility, limited bandwidth, limited power and/or intermittent connectivity
- Applications and services for mobile users
- Cyber-physical computing and networking
- Fundamental understanding of mobile computing and wireless networking
- Implementation and experimental testbeds for mobile/wireless networks
- Integration and interworking of wired and wireless networks
- Modeling, measurement and simulation of mobile networks
- Mobile ad hoc and wireless sensor networks
- Operating system and middleware support for mobile computing and networking
- Performance evaluation of mobile and wireless networks and systems
- Protocols exploiting dynamic spectrum, UWB, MIMO, directional antennas
- Security, privacy, and trustworthiness of mobile/wireless systems
- Wireless access technologies (e.g. mesh systems, personal area networks)

The program committee will referee all papers, and accepted papers will be published in the conference proceedings.

CHALLENGES PAPERS: The conference strongly encourages the submission of short papers in the field of mobile computing and wireless networking that present revolutionary new ideas or that challenge existing assumptions prevalent among the research community. These "challenges papers" should provide stimulating ideas or visions that may open up exciting avenues and/or influence the direction of future research. Descriptions of new products or evolution of existing work are not appropriate topics for papers in this category. While an exhaustive evaluation of the proposed ideas is not necessary, insight and in depth understanding of the issues is expected. Challenges papers will be reviewed by MobiCom program committee members will be part of the technical program and published in ACM MobiCom proceedings. They should be submitted using the same submission procedure adopted for the full papers. The title of these papers must start with the word "Challenges:" i.e., "Challenges: Rest of the Title."

SUBMISSION INSTRUCTIONS: All paper submissions will be handled electronically. Authors should prepare a PDF or PostScript version of their full paper. Papers must be no longer than 12 pages (8 pages for "Challenges" papers), in font size no smaller than 10 points, and must fit properly on US "Letter"-sized paper (8.5x11 inches) with reasonable margins. Detailed instructions on the paper submission procedure and format will be available on the conference web pages. The deadline for registering the title and the abstract of the paper with our electronic submission system is **February 23, 2007** and the deadline for submitting the actual paper is **March 2, 2007**. All deadlines are 11:59PM PST.

All submitted papers will be judged based on their quality through double-blind reviewing, where the identities of the authors are withheld from the reviewers. Authors' names must not appear in the paper or in the PostScript or PDF file. Submitted papers (or substantially similar papers) must not be currently under review for any other publication. Upon submission in EDAS, authors will be asked to indicate whether they wish an extended abstract (4 pages) of their paper to be invited to the poster session and considered for inclusion in the MobiCom Proceedings, in the event that the paper cannot be included in the main conference program. Please direct any questions about the paper submission process to the Program Co-Chairs at mobicom07_pcchairs@acm.org.

TUTORIALS: Proposals for tutorials are solicited. Evaluation of tutorial proposals will be based on the expertise and experience of the instructors, and on the relevance of the subject matter. Potential instructors are requested to submit a tutorial proposal of at most 5 pages, including a biographical sketch, to the Tutorial Co-Chairs.

PANELS: Panels are solicited that examine innovative, controversial, or otherwise provocative issues of interest. Panel proposals should not exceed 3 pages, including biographical sketches of the panelists. Potential panel organizers should contact the Panel Co-Chairs.

RESEARCH DEMOS AND EXHIBITS: Proposals for research demos are solicited. Proposals should not exceed 3 pages and should include a description of the demo and equipment to be used. Send proposals to the Research Demo Chair.

STUDENT POSTER SESSION: Student posters are solicited that present recent and on-going research by students on mobile computing and mobile wireless networking. The poster submissions should include a 2-page description of the student's research. Please use ACM SIG proceeding template to format your submissions. Accepted posters will be put on the conference web page; however, they will not be printed in the conference proceedings. Please send submissions to the Student Poster Chairs.

ACM STUDENT RESEARCH COMPETITION: MobiCom 2007 will host the ACM Student Research Competition (SRC). Students submitting to the MobiCom 2007 Poster Program can opt to have their posters considered also by the SRC committee. Selected competitors will receive up to \$500USD for their conference travel and will earn a chance to compete in the SRC Grand Finals whose winners are recognized at the Annual ACM Awards Banquet. Competitors should be prepared to attend the poster session and, if selected for further competition, give a short talk about their research projects. Winners will be announced at the conference. The Student Research Competition is open to graduate and undergraduate students whose submissions are accepted by the SRC committee. Current ACM student membership and student status as of the submission deadline are required for the lead student.

BEST STUDENT PAPER AWARD: Papers with a student as a primary author will be considered for the Best Student

IMPORTANT DATES:

- Abstracts submission due
February 23, 2007
- Paper submission due:
March 2, 2007
- Notification of acceptance:
June 4, 2007
- Camera-ready version due: