

Call for Papers

ACM MobiCom 2018

ACM MobiCom, the premier conference on mobile computing and wireless networking, seeks full papers describing significant research contributions in the systems design and implementation, practice, or theoretical aspects of providing users with an enriched and ubiquitous mobile or wireless experience. Papers addressing important challenges in access/communication, energy, computing, security and user experience as it applies to wireless networking and mobile computing form the core of the conference. We also invite submissions on a wide range of mobile computing and wireless networking research, including but not limited to:

- Communications for Embedded and Energy-Harvesting Systems
- Edge Computing
- Long-Range/Low-Power Wide-Area Wireless Networking
- Low-Latency Networking
- Machine-to-Machine Communications
- Millimeter wave and Terahertz Communications
- Mobile Web
- Next-Generation 5G mobile networks
- Visible Light Communications
- Mobile Data Science & Analysis
- Mobile/Wireless Research & Cloud Computing
- Mobile/Wireless Research & Software-Defined Networking
- Sensing with Radio, Light, Sound, and Vibration
- Wearable Computing

Successful papers will address real research challenges through rigorous analysis, novel system design, and/or real-world measurement and deployment of mobile networks, systems and applications. The program committee will evaluate each paper using metrics that are appropriate for the topic area. All submissions must describe original research not published or currently under review for another conference or journal, and if accepted, papers will be published in the conference proceedings. MobiCom strongly encourages authors to describe how they will provide access to well-documented datasets, modeling and/or simulation tools, and codebases to support the reproducibility of their methods.

In addition to full research papers as described above, MobiCom also invites submission in the following three categories:

Challenge Papers

The conference invites submissions of short papers (limited to eight pages excluding references) that present revolutionary new ideas or that challenge existing assumptions prevalent among the wireless research community. These "challenge 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. Challenge papers will be reviewed by the program committee and if selected, become part of the conference technical program and be published in the conference proceedings. Challenge papers should be submitted using the same submission procedure adopted for the full papers. The title of these papers must bear a "Challenge:" prefix.

Experience Papers

The conference invites submission of short papers (limited to eight pages excluding references) that present extensive experiences with implementation, deployment, and operations of mobile systems and wireless networks. Desirable papers are expected to contain real data as well as descriptions of the practical lessons learned. The experience papers will be evaluated by the program committee, primarily for (i) richness of their data or experiences, (ii) inferences drawn or lessons learned, (iii) discovery of new problems, and (iv) their impact/potential impact on current and future mobile systems and wireless networks, as well as on society. Note that a paper that builds a system and presents a limited experimental evaluation is NOT suitable as an experience paper. Selected experience papers will become a part of the conference technical program and will be published in the conference proceedings. Experience papers should be submitted according to the same submission procedure as full papers, and their title must bear an "Experience:" prefix.

Verification Papers

MobiCom welcomes contributions that seek to verify and/or characterize recent breakthrough results in mobile computing using rigorous experimental methodologies with the goal of extensively and thoroughly characterizing the operating parameters under which these results can be reproduced. Such submissions should be short papers (limited to eight pages excluding references) with "Verification:" as a prefix in the title. Selected verification papers will become a part of the conference technical program and will be published in the conference proceedings. Verification papers should be submitted according to the same submission procedure as full papers.

Paper Submission Instructions

All paper submissions will be handled electronically at the [MobiCom paper submission website](#). Authors should prepare a PDF version of their full paper.

Before final submission, you are expected to make sure that your paper complies with the following requirements. You are strongly discouraged from violating these requirements with the aim of including additional material: submissions that violate the formatting requirements may not be reviewed. You can visually inspect a page-by-page report of your paper format using the same tool as the submission system via a separate [online form](#). After the submission deadline, we will use the same tool to check the conformance of papers. The format checking tool uses heuristics and can make mistakes. The PC chairs will manually inspect and possibly reject those papers with evident format violations. However, no paper will be rejected due to format violations without first being checked by hand.

Any papers that do not adhere to the following guidelines may be immediately rejected:

- Full papers: Contain no more than twelve (12) single-spaced and numbered pages, including figures, tables, any appendices, and any other material, followed by as many pages as necessary for bibliographic references. Papers whose non-bibliographic content is longer than 12 pages will not be reviewed.
- Experience/Verification/Challenge Papers: Contain no more than eight (8) single-spaced and numbered pages, including figures, tables, any appendices, and any other material, followed by as many pages as necessary for bibliographic references. Papers whose non-bibliographic content is longer than eight pages will not be reviewed.
- Font size no smaller than 10 points.
- Double column format with each column having dimensions 9.25 inches x 3.33 inches, a space of 0.33 inches between the two columns, and with no more than 55 lines of text per column.

- Submissions must be in PDF (Portable Document Format) authors should ensure that they are compatible with Adobe Acrobat (English version). Any other formats, including Postscript and MS-Word, will not be accepted.
- Fit properly on US letter-sized paper (8.5 inches by 11 inches).
- Authors' names must not appear anywhere in the paper or in the PDF file. The PDF file must also not contain any embedded hyperlinks, as these may compromise reviewer anonymity.
- Limit the file size to less than 15 MB: contact the PC chairs if you have a file larger than this limit.

You may find these [LaTeX](#) and [MS-Word](#) templates useful in complying with the above requirements, but as an author you bear the final responsibility to verify (manually or through the above online paper checker) that your submission is format-compliant.

All submitted papers will be evaluated through a double-blind reviewing process, with the identities of the authors withheld from the reviewers. Please direct any questions about the paper submission process to the Program Co-Chairs at *mobicom18-pc-chairs (at) acm "dot" org*

Awards

All accepted regular papers will be considered for the **Best Paper Award**. The program committee will select a number of candidates for the award among accepted regular papers. The winner will be selected at the conference, taking into consideration both the paper and the paper's presentation.

We will also have a **Best Community Paper Award**. Among all accepted papers, the program committee will select one that contributes the most to the broader research community in terms of real data, or new software, hardware or other artifacts.

Video Presentation

The authors of each accepted paper will be asked to submit a one-minute video to introduce the research presented in their paper to the general public. These videos will be placed on the conference website up to two weeks before the conference, and will be played during the conference. A selected set will be featured by the social media channels related to the conference.

Important Dates

Abstract and title registration deadline: March 6, 2018 9:59 PM EST (UTC-5)

Paper submission deadline: March 13, 2018 9:59 PM EDT (UTC-4)

Notification of acceptance: May 24, 2018

Reviews available to authors: June 1, 2018

Camera-ready deadline: July 20, 2018

One-minute video deadline: TBA

Important Notes

It is ACM policy ([ACM Author Rights and Publishing Policy](#)) not to allow double submissions, where the same paper is submitted to more than one conference/journal concurrently. Any double submissions detected will be immediately rejected from all conferences/journals involved.

AUTHORS TAKE NOTE: The official publication date is the date the proceedings are made available in the ACM Digital Library. This date may be up to two weeks prior to the first day of your conference. The official publication

date affects the deadline for any patent filings related to published work. (For those rare conferences whose proceedings are published in the ACM Digital Library after the conference is over, the official publication date remains the first day of the conference.)