

HotEdge '20: 3rd USENIX Workshop on Hot Topics in Edge Computing

April 30, 2020, Santa Clara, CA, USA



Sponsored by USENIX, the Advanced Computing Systems Association

Important Dates

- Submissions due: Thursday, February 20, 2020, 8:59 pm PST
- Notification to authors: Thursday, March 19, 2020
- Final papers due: Tuesday, April 21, 2020

Conference Organizers

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Overview

The goal of HotEdge is to bring together researchers and practitioners from academia and industry working on edge computing to share their ideas, discuss research/work in progress, and identify new/emerging “hot” trends in this important emerging area. The emergence of the Internet of Things (IoT) and the demand for responsiveness, privacy, and situation-awareness are pushing computing to the edge of the Internet. There are many challenges in the design, implementation, and deployment of different aspects of edge computing: infrastructure, systems, networking, algorithms, applications, etc. HotEdge would like to foster discussions in these areas.

The HotEdge '20 program committee is placing a strong emphasis on soliciting early-stage ideas. This workshop is specifically designed for novel ideas to get early feedback that can help shape their further development and publication at various top conferences. Submissions will be judged on their novelty, topical relevance, and likelihood of generating discussions and debate.



Topics of Interest

HotEdge '20 welcomes innovative submissions in the broad areas of infrastructure, systems, networking, algorithms, and applications in edge computing. Specific topics of interest include but are not limited to:

- Edge-enabled applications
- Edge computing infrastructure and systems
- Edge-optimized heterogeneous architectures
- Edge-based data analytics and machine learning
- Edge-based data storage and databases
- Security and privacy in edge computing
- Interoperability and collaboration between edge and cloud computing
- Fault-tolerance in edge computing
- Programming models for edge computing
- Resource management and Quality of Service in edge computing

Submission Instructions

Please submit your papers (no extended abstracts) in PDF format via the submission form linked from the HotEdge '20 Call for Papers web page. Do not email submissions. The complete submission must be no longer than five (5) pages, not including either references or discussion topics sections.

Discussion Topics section: In keeping with the workshop format, authors of each full paper are required to add a section, immediately before references, no longer than a half a page (i.e., max one column) that explicitly calls out (a) what kind of feedback you are looking to receive, (b) the controversial points of the paper, (c) the type of discussion this paper is likely to generate in a workshop format, (d) the open issues the paper does not address, and (e) under what circumstances the whole idea might fall apart.

Format: The complete submission should be typeset in two-column format in 10-point type on 12-point (single-spaced) leading, with the text block being no more than 7" wide by 9" deep. Submissions that violate any of these restrictions may not be reviewed. The limits will be interpreted fairly strictly, and no extensions will be given for reformatting. If you wish, you may use the LaTeX template and style files available on the USENIX templates page at www.usenix.org/conferences/author-resources/paper-templates.

There are no formal restrictions on the use of color in graphs or charts, but please use them sparingly—not everybody has access to a color printer.

The names of authors and their affiliations should be included on the first page of the submission.

Simultaneous submission of the same work to multiple venues, submission of previously published work, or plagiarism constitutes dishonesty or fraud. USENIX, like other scientific and technical conferences and journals, prohibits these practices and may take action against authors who have committed them. See the USENIX Conference Submissions Policy at www.usenix.org/conferences/submissions-policy for details. Papers accompanied by nondisclosure agreement forms will not be considered. If you are uncertain whether your submission meets USENIX's guidelines, please contact the program co-chairs, hotedge20chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

Reviewing of papers will be done by the program committee, potentially assisted by outside referees in limited cases. Accepted papers may be shepherded through an editorial review process by a member of the program committee. All papers will be available online to registered attendees before the workshop. If your accepted paper should not be published prior to the event, please notify production@usenix.org. The papers will be available online to everyone beginning on the day of the workshop. Accepted submissions will be treated as confidential prior to publication on the USENIX website; rejected submissions will be permanently treated as confidential.

By submitting a paper, you agree that at least one of the authors will attend the workshop to present it. If the workshop registration will pose a hardship for the presenter of the accepted paper, please contact conference@usenix.org.