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 demand for low-latency offloading infrastructure for upcoming applications (such as augmented reality, wearable cognitive assistance, sensor data processing) and the emergence of Internet of Things (IoT) are pushing computing again towards disaggregation. There are many challenges in design, implementation, and deployment of different aspects of edge computing: infrastructure, networking, security, applications, etc. HotEdge would like to foster discussions in these areas.

The HotEdge ’19 program committee is placing a strong emphasis on soliciting early-stage ideas. This workshop is specifically designed for novel ideas to get early feedback. Submissions will be judged on their novelty, topical relevance, and likelihood of generating discussions and debate. A good way to think about this is that if you are only a few months away from submitting to SEC, ICDCS, InfoCom, NSDI, OSDI or SOSP, etc., you are probably already past the sweet spot for HotEdge. To promote research in practical use case, we plan to dedicate a part of the program to submissions relating to novel applications of edge computing.

Topics of Interest
HotEdge ’19 welcomes innovative submissions in the broad areas of infrastructure, applications, security, availability, and interoperability in edge computing. Specific areas are below but are not exhaustive.

- Edge-enabled applications
- Edge computing infrastructure and applications
- Edge-optimized heterogeneous architectures
- Edge-based analytics (including machine learning)
- Edge-based storage systems and databases
- Security and privacy in edge computing
- Interoperability between edge and cloud computing
- Fault-tolerance using edge computing
- Programming models for edge computing
- Quality of Service in edge computing
Workshop Details
HotEdge '19 will be a one-day workshop that is divided into two parts. The first part of the day will be invited talks from both academia and industry to discuss the evolution, trends, practical challenges and research opportunities in edge computing. The second part of the workshop will feature the academic program, including paper and poster presentations.

All accepted papers and abstracts of accepted posters will be published online. At least one author of each accepted paper or poster must attend the workshop to present the paper or poster. Presentation details and guidelines will be communicated to the authors of the accepted papers and posters. Note that authors of accepted papers will also be expected to prepare a poster summarizing their submission to be presented as part of a HotEdge '19 poster session.

Submission Instructions
Please read carefully since there are new requirements this year for HotEdge submissions.

Please submit your papers (no extended abstracts) in PDF format via the submission form linked from the Call for Papers website, www.usenix.org/hotedge19/cfp. Do not email submissions.

The complete submission must be no longer than five (5) pages, not including references or the discussion topics section.

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 they 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/author-resources/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, hotedge19chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.