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

July 14, 2020, Boston, MA, USA

Sponsored by USENIX, the Advanced Computing Systems Association

The 3rd USENIX Workshop on Hot Topics in Edge Computing (HotEdge ’20) will be co-located with the 2020 USENIX Annual Technical Conference and will take place July 14, 2020 at the Sheraton Boston in Boston, MA, USA.

Important Dates
• Submissions due: Thursday, February 27, 2020, 8:59 pm PST
• Notification to authors: Monday, March 30, 2020
• Final papers due: Tuesday, May 12, 2020

Conference Organizers
Program Co-Chairs
Irfan Ahmad, Magnition
Ming Zhao, Arizona State University

Program Committee
Istemi Ekin Akkus, Nokia Bell Labs
Ragaad Al-Tarawneh, Intel
L. Jean Camp, Indiana University Bloomington
Huiping Cao, New Mexico State University
Abhishek Chandra, University of Minnesota, Twin Cities
Schahram Dustdar, Vienna University of Technology
Andy Edmonds, Zürich University for Applied Sciences
Moshe Gabel, University of Toronto Scarborough
Liting Hu, Florida International University
Srikanth Kambhatla, Intel
Jussi Kangasharju, University of Helsinki
Bhaskar Krishnamachari, University of Southern California
John Kubiatowicz, University of California, Berkeley
Dawei Li, Samsung Research
Qun Li, College of William & Mary
Xing Lin, NetApp
Heather Miller, Carnegie Mellon University
Fan Ni, NetApp
Fengbo Ren, Arizona State University

Mina Sedaghat, Ericsson
Weisong Shi, Wayne State University
Chris Stewart, Ohio State University
Vasily Tarasov, IBM Almaden
Eric Van Hensbergen, ARM
Yida Wang, Amazon
Jian Zhang, Microsoft
Lixia Zhang, University of California, Los Angeles
Ziming Zhao, Rochester Institute of Technology

Logistics/Arrangements Chair
Vaishnav Janardhan, Akamai Technologies

Publicity Chair
Saman Biook Aghazadeh, Arizona State University

Steering Committee
Irfan Ahmad, Magnition
Jason Flinn, University of Michigan
Amit Gupta, Cisco Systems
Casey Henderson, USENIX Association
Mahadev Satyanarayanan, Carnegie Mellon University
Weisong Shi, Wayne State University
Swaminathan Sundararaman, Pyxeda AI

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.