

2nd USENIX Workshop on Hot Topics in Management of Internet, Cloud, and Enterprise Networks and Services (Hot-ICE '12)

Sponsored by USENIX, the Advanced Computing Systems Association

<http://www.usenix.org/hotice12>

April 24, 2012

San Jose, CA

Hot-ICE '12 will be co-located with the 9th USENIX Symposium on Networked Systems Design and Implementation (NSDI '12), which will take place April 25–27, 2012.

Important Dates

Paper registration due: *January 6, 2012, 11:59 p.m. PST*

Paper submissions due: *January 13, 2012, 11:59 p.m. PST*

Notification of acceptance: *March 9, 2012*

Final papers due: *March 26, 2012*

Workshop Organizers

Program Co-Chairs

Olivier Bonaventure, *Université catholique de Louvain*

Ramana Kompella, *Purdue University*

Program Committee

Aditya Akella, *University of Wisconsin—Madison*

Hitesh Ballani, *Microsoft Research Cambridge*

Raouf Boutaba, *University of Waterloo, Canada*

Randy Bush, *Internet Initiative, Japan*

Xenofontas Dimitripoulous, *ETH Zurich*

Nick Feamster, *Georgia Tech*

Ajay Gulati, *VMware, Inc.*

Shiv Kalyanaraman, *IBM Research, Bangalore*

Li Erran Li, *Alcatel-Lucent Bell Labs*

Boon Thau Loo, *University of Pennsylvania*

Olaf Maennel, *Loughborough University*

Laurent Mathy, *Lancaster University*

Sanjay Rao, *Purdue University*

Aman Shaikh, *AT&T Labs—Research*

Puneet Sharma, *HP Labs*

Steering Committee

Ehab Al-Shaer, *University of North Carolina, Charlotte*

Albert Greenberg, *Microsoft Research*

Chuck Kalmanek, *AT&T Labs—Research*

David Maltz, *Microsoft Research*

Jeff Mogul, *HP Labs*

Tze Sing Eugene Ng, *Rice University*

Sanjay Rao, *Purdue University*

Anees Shaikh, *IBM Research*

Kobus Van der Merwe, *AT&T Labs—Research*

Geoffrey Xie, *Naval Postgraduate School*

Overview

The second Hot-ICE workshop builds on the success of the first workshop last year and seeks to bring together researchers and practitioners working on network and service management in the Internet, cloud, and enterprise domains. The scope of Hot-ICE includes all aspects of network and service management. This includes traditional network management concerns, management of network services and/or services enabled by networks, management of clean-slate network architectures, and clean-slate designs of management architectures. We seek new ideas and experimental or

operational insights that help make Internet, cloud, and enterprise networks and services more secure, more systematically or automatically configurable, more scalable, and able to achieve more predictable performance, better accountability, greater fault tolerance, and faster fault recovery.

Topics

Topics of specific interest include but are not restricted to:

- Novel network and service management systems
- Greenfield network management architectures and management of new network architectures
- The use of data-mining techniques in network and service management
- Network and service management aspects of existing and emerging network architectures (e.g., data-center networks, cloud architectures, data-centric architectures, software-defined architectures, mobile networks)
- Management approaches that involve cross-domain and cross-layer techniques
- Management techniques and tools for the verification, synthesis, diagnosis, and evaluation of network operations and policies
- Novel pricing strategies for Internet, cloud and enterprise network services

We invite short position papers or work-in-progress reports. Hot-ICE will particularly favor interesting and new ideas and early results that lead to well-founded position papers, i.e., papers that illustrate a firm understanding of the problem and can position the contribution in the broader context of related work. Once fully developed and evaluated, we envision that work presented at Hot-ICE will be published at relevant, high-quality conferences.

Papers will be selected primarily based on technical merit and originality, with additional consideration given to their potential to generate discussion at the workshop.

Hot-ICE evolved from earlier Internet Network Management (INM) workshops, which more recently combined with the Workshop on Research on Enterprise Networking (WREN). As such, Hot-ICE, while a new workshop, is serving an established community, but with a broader scope, in recognition of the evolving concerns of the community. Hot-ICE is modeled after other “Hot”-style workshops, seeking to provide a venue for discussing innovative ideas and early results in network and service management that have the potential to significantly influence the community.

Please contact the program co-chairs, hotice12chairs@usenix.org, if you have questions concerning the relevance of your topic of interest.

Submissions

Submitted papers must be no longer than six 8.5" x 11" pages. Your paper should be typeset in two-column format in 10-point type on 12 point (single-spaced) leading, with a text block no more than

6.5" wide by 9" deep. Submissions are single-blind; authors should include their names and affiliations as part of their submissions. Papers must be submitted via the Web submission form on the Hot-ICE '12 Call for Papers Web site, <http://www.usenix.org/hotice12/cfp>.

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, April 24, 2012.

Papers accompanied by nondisclosure agreement forms will not be considered. Accepted submissions will be treated as confidential prior to publication on the USENIX Hot-ICE '12 Web site; rejected submissions will be permanently treated as confidential.

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 <http://www.usenix.org/submissionspolicy>. Note, however, that we expect that many papers accepted for Hot-ICE '12 will eventually be extended as full papers suitable for presentation at future conferences. Questions? Contact your program co-chairs, hotice12chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.