Workshop on Hot Topics in Management of Internet, Cloud, and Enterprise Networks and Services (Hot-ICE '11)

Sponsored by USENIX, the Advanced Computing Systems Association

http://www.usenix.org/hotice11

March 29, 2011   Boston, MA

Hot-ICE '11 will be co-located with the 8th USENIX Symposium on Networked Systems Design and Implementation (NSDI '11), which will take place March 30–April 1, 2011.

Important Dates
Paper registration due: *December 9, 2010, 11:59 p.m. PST*
Paper submissions due: *December 22, 2010, 11:59 p.m. PST*
Notification of acceptance: *February 15, 2011*
Final papers due: *February 28, 2011*

Workshop Organizers

Program Co-Chairs
Anees Shaikh, *IBM Research*
Kobus Van der Merwe, *AT&T Labs—Research*

Program Committee
Aditya Akella, *University of Wisconsin—Madison*
Olivier Bonaventure, *Université catholique de Louvain*
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Tze Sing Eugene Ng, *Rice University*
Joel Obstfeld, *Juniper Networks*
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Geoffrey Xie, *Naval Postgraduate School*

Overview
The first Hot-ICE workshop 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, and 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

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, hotice11chairs@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 '11 Call for Papers Web site, http://www.usenix.org/hotice11/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, March 29, 2011.

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 '11 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 '11 will eventually be extended as full papers suitable for presentation at future conferences. Questions? Contact your program co-chairs, hotice11chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.