2015 USENIX Summit on Health Information Technologies (HealthTech '15)

Safety, Security, Privacy, and Interoperability of Health Information Technologies **August 10, 2015, Washington, D.C.**

Sponsored by USENIX, the Advanced Computing Systems Association

HealthTech '15 will be co-located with the 24th USENIX Security Symposium (USENIX Security '15) and take place August 10, 2015.

Important Dates

- Submissions due: **Wednesday, June 24, 2015, 1:00 pm EDT**
- Notification to presenters: **Mid-July 2015**

Conference Organizers

Program Co-Chairs

Apu Kapadia, *Indiana University Bloomington*
David Kotz, *Dartmouth College*

Program Committee

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Overview

Advances in healthcare technology show great potential to improve the delivery and stem the rising costs of healthcare. However, the rapid development and hasty adoption of new technologies, combined with a complicated regulatory environment, has resulted in a landscape replete with interoperability, safety, and security problems.

HealthTech, formerly HealthSec, is now in its third year with a broader scope designed to encourage the development of new technologies that generally improve the quality and safety of healthcare as well as the access to it. By bringing together researchers, practitioners, and industrial partners, HealthTech aims to provide a forum for cross-disciplinary interactions among the technology, medicine, and policy communities.

The format of HealthTech Summit has evolved as the organizers seek to serve the healthcare IT technical community. This year, rather than soliciting paper submissions, the program committee will put together a series of invited talks and panels, leveraging the advantages of the Washington, D.C. venue to bring in stakeholders from government as well as industry and academia.

HealthTech will also feature a poster session as a way for researchers and practitioners to share recent advances at the intersection of healthcare and technology. The HealthTech '15 Program Committee invites poster abstracts no more than 500 words describing ongoing or recent work that shows potential to stimulate or catalyze further research and explores new directions—surprising results and thought-provoking ideas will be strongly favored. There will be no proceedings.

Topics

Poster presentations are solicited in all areas relating to healthcare information technology, including:

- Access control and consent management systems
- Techniques for analyzing and securing audit logs
- Architectures for large-scale health information systems, interoperability, and health information exchange
- Medical devices and body area networks
- Home and assisted-living monitoring systems
- Threat models: formal descriptions and analysis
- Privacy-enhancing technologies such as de-identification and differential privacy for electronic health records generally or specific types of data such as images or genomic data
- Usability and human factors
- Regulatory and policy issues
- Authentication and identification techniques
- Cryptographic protocols
- Dependable and trustworthy computing for healthcare
- Telemedicine and mobile health technologies
- Practical applications and experiences with HIT; lessons learned and best practices

Submission Guidelines

Poster abstracts should be submitted as a one-page PDF document containing: a) the title; b) authors and affiliations; c) keywords signaling the topic area; and d) an abstract of no more than 500 words. The abstract should establish its relevance to the healthcare information community.

Proposals should be submitted electronically via the Web site, https://cgi.soic.indiana.edu/~htech15/, by Wednesday, June 24, 2015 at 1:00 pm EDT.

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