2013 USENIX Workshop on Health Information Technologies (HealthTech '13)

Safety, Security, Privacy, and Interoperability of Health Information Technologies   **August 12, 2013, Washington, D.C.**

HealthTech '13 will be co-located with the 22nd USENIX Security Symposium (USENIX Security '13), which will take place August 14–16, 2013.

Important Dates
Submissions due: *May 8, 2013, 11:59 p.m. PDT*   **Deadline Extended!**
Notification to authors: *June 11, 2013*
Final documents due: *July 18, 2013*
Workshop: *August 12, 2013, in Washington, D.C.*

Conference Organizers

Program Co-Chairs
Kevin Fu, *University of Michigan*
Darren Lacey, *Johns Hopkins University*
Zachary Peterson, *Naval Postgraduate School*

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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, née HealthSec, is broadening its scope 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 HealthTech '13 Program Committee invites authors to submit original, **full-length technical papers** that broadly concern health information technology.

New this year, HealthTech will include a **poster session,** inviting those in industry, practitioners, and academics to share their experiences with deployment, outcomes, and unintended consequences. We also welcome preliminary work that shows potential to stimulate or catalyze further research and explores new directions—surprising results and thought-provoking ideas will be strongly favored.

Also new this year will be the awarding of a community-wide Outstanding Paper Award, conferred upon the authors of the best research paper, published within the last five years, to advance the safety, security, privacy, or interoperability of health information technology, as judged by the nominations committee. Nominations of previously published papers from any peer-reviewed venue will be considered. Papers authored by the program chairs are not eligible for consideration. More information about the nomination process will appear on the HealthTech '13 Web site.

Lastly, we will continue last year's lively **rump session** for announcements of research in progress.

The format of this single-day workshop will be presentations by the authors of full-length papers, augmented by breakout discussion groups, expert panels, a poster session, and a keynote address. Papers will be published on the USENIX Web site.

Topics
Workshop topics 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

Submissions

Submitted full-length papers must be no longer than ten (10) 8.5" x 11" pages. All papers 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. Submissions must be in PDF format and must be submitted via the Web submission form on the HealthTech '13 Call for Papers Web page, https://www.usenix.org/conference/healthtech13/call-for-papers. Papers that describe experiments on human subjects, or that analyze non-public data derived from human subjects (even anonymized data), should disclose whether an ethics review (e.g., IRB approval) was conducted and discuss the steps taken to ensure that participants were treated ethically.

Papers accompanied by non-disclosure agreement forms will not be considered. 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 this practice and may take action against authors who have committed it. Papers that do not comply with the submission requirements, including length and anonymity, may be rejected without review. See the USENIX Conference Submissions Policy at www.usenix.org/conferences/submissions-policy for details. Questions? Contact your program co-chairs, healthtech13chairs@usenix.org, or the USENIX office, submissionspolicy@usenix.org.

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.