The 7th International Conference on Passwords
8-10 Dec 2014, Trondheim, Norway
Call for Papers

The *Passwords* conference was launched in 2010 as a response to the lack of robustness and usability of current personal authentication practices and solutions. Annual participation has doubled over the past three years.

Venue NTNU campus, Trondheim, Norway. Travel and local information are available at http://passwords14.item.ntnu.no

Conference Aim

The technical and practical problem addressed by the conference is illustrated by the fact that more than half a billion user passwords have been compromised over the last five years, including breaches at internet companies such as Adobe, Twitter, Forbes, LinkedIn, Yahoo, and LivingSocial. Yet passwords, PIN codes, and similar remain the most prevalent method of personal authentication. Clearly, we have a systemic problem.

Passwords is the singular conference gathering researchers, password crackers, and enthusiastic experts from around the globe, aiming to better understand the challenges surrounding the methods personal authentication and passwords, and how to adequately solve these problems. The **Passwords** conference series seek to provide a friendly environment for participants with plenty opportunity to communicate with the speakers before, during, and after their presentations. (https://passwordscon.org/)

Scope

This call for papers seeks original contributions that present attacks, analyses, designs, applications, protocols, systems, practical experiences, and theory. Submitted papers may include, but are not limited to, the following topics, all related to *passwords* and *personal authentication*:

Best practice reports	One-time passwords
Costs and economy	Passphrase techniques
Cryptanalytic attacks	Password based encryption
Cryptographic formal attack models	Password based key derivation
Cryptographic protections	Password based key exchange
Cryptographic protocols	Password protection
Dictionary attacks	Password replacements
Digital forensics	Passwords and biometrics
Gestures and graphical patterns	Performance and scalability
Guessing attacks	Physical traces and smudges
Hash functions	Rainbow tables and trade-offs
Human factors and behavior	Reset and recovery procedures
Implementations and tests	Side-channel attacks
Incident and attack reports	Single sign-on
Key-stroke dynamics	Social engineering
Languages, letters and symbols	Statistical patterns and analyses
Management and authorization	Time-memory tradeoffs
Markov models	Tokens and devices
Memorability	Usability studies

We seek submissions for review in the following three categories:

(i) Research Papers   (ii) Short papers (iii) Tutorials

Instructions for paper submission

Accepted papers presented at the workshop will be included in the conference proceedings and published *after* the conference by Springer in the Lecture Notes in Computer Science (LNCS) series (formal approval pending). All submission must be done at https://easychair.org/conferences/?conf=passwords14

Research Papers should describe novel, previously unpublished technical contributions within the scope of the call. The papers will be in-depth reviewed and selected using a double-blind review process by at least three members of the program committee. Paper length is limited to 16 pages (LNCS format) excluding references and well-marked appendices. The paper submitted for review must be anonymous, hence author names, affiliations, acknowledgements, or obvious references must be temporarily edited out for the review process. The submitted paper (PDF or PostScript format) must follow the template described at (http://www.springer.de/comp/lncs/authors.html) by Springer.

Short Papers will also be subject to peer review, where the emphasis will be put on work in progress, hackers' achievements, industrial experiences, and incidents explained, aiming at novelty and promising directions. Short paper submissions should not be more than 6 pages in standard LNCS format in total. A short paper must be labeled by the subtitle "Short Paper." Accepted short paper submissions may be included in the conference proceedings. Short papers do not need to be anonymous. The program committee may accept full research papers as short papers.

Tutorial proposals are expected to explain new methods, techniques, tools, systems, and services within the *Passwords* scope. The time frame is one hour. Proposals can be submitted in any format. Publication will be by streaming, video and web.

Important dates of submissions
Papers Submissions by ~~October 27~~. Extended to **Monday Nov. 10**, 2014
Acceptance notification by November 15, 2014.
Tutorials Proposals by **Nov 10**, 2014.

Conference Organizing Chair
Per Thorsheim, God Praksis AS

Technical Papers Program Committee
Stig F. Mjølsnes, (chair) Norwegian University of Science and Technology (N)
Jean-Phillipe Aumasson, Kudelski Security (CH)
Markus Dürmuth, Ruhr-University Bochum (D)
Jeremy Gosney, Stricture Consulting Group (USA)
Tor Helleseth, University of Bergen (N)
Audun Jøsang, University of Oslo (N)
Stefan Lucks, Bauhaus-University Weimar (D)
Markku-Juhani O. Saarinen, ERCIM Research Fellow at NTNU (N)
Frank Stajano, University of Cambridge (UK)
Kenneth White, Open Crypto Audit Project (USA)

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