CSF 2015 Call for Papers
28th IEEE Computer Security Foundations Symposium

http://csf2015.di.univr.it/
July 14 - 17, 2015
Verona, Italy

The Computer Security Foundations Symposium is an annual conference
for researchers in computer security. CSF seeks papers on foundational

aspects of computer security, such as formal security models,
relationships between security properties and defenses, principled
techniques and tools for design and analysis of security mechanisms,

as well as their application to practice. While CSF welcomes
submissions beyond the topics listed below, the main focus of CSF is

foundational security: submissions that lack foundational aspects risk

rejection.

This year, CSF will use a light form of double blind reviewing; see
below.

Topics

New results in computer security are welcome. We also encourage
challenge/vision papers, which may describe open questions and raise

fundamental concerns about security. Possible topics for all papers
include, but are not limited to: access control, accountability,
anonymity, authentication, critical infrastructure security,
cryptography, data and system integrity, database security,
decidability and complexity, distributed systems, electronic voting,

executable content, formal methods and verification, game theory and

decision theory, hardware-based security, humans and computer
security, information flow, intrusion detection, language-based
security, network security, novel insights on attacks, privacy,
provenance, resource usage control, security for mobile computing,
security models, security protocols, software security,
socio-technical security, trust management, usable security, web
security.

Special Sessions

This year, we strongly encourage papers in three foundational areas of

research we would like to promote at CSF:

  PRIVACY. (Chair: Catuscia Palamidessi.) CSF 2015 will include a

special session on privacy foundations and invites submissions on definitions, models, and frameworks for communication and data privacy, principled analysis of deployed or proposed privacy protection mechanisms, and foundational aspects of practical privacy

technologies. We especially encourage submissions aiming at connecting the computer science point of view on privacy with that

of other disciplines (law, economics, sociology,...)

VOTING. (Chair: Olivier Pereira.) CSF 2015 will include a special session on voting technologies and invites submissions on definitions, models and analysis of voting systems or their components, including (but not limited to) vote authentication mechanisms, ballot tallying techniques, election verifiability and

audit techniques, election problem recovery. As several countries are currently looking for the adoption of voting systems with enhanced security features, submissions that inform on deployed voting systems or propose original approaches for the design or improvement of voting systems are both welcome.

SECURE SYSTEMS. (Chair: Frank Piessens.) The need for principled secure systems is higher than ever, with Internet connectivity extending its reach from servers and desktops to mobile devices, and

(sometimes tiny) embedded systems. Interesting new security designs

are being studied at all system layers, from protected module architectures at the hardware level to language based software security. CSF 2015 invites submissions of papers that study foundational aspects of such designs and the relations between them,

including papers on hardware and/or software security architectures,

policy enforcement mechanisms, secure programming languages, secure

compilation, and operating system or browser security.

These papers will be reviewed under the supervision of the special session chairs. They will be presented at the conference, and will appear in the CSF proceedings, without any distinction from the other

papers.

Proceedings, published by the IEEE Computer Society Press (pending approval), will be available at the symposium, and selected papers will be invited for submission to the Journal of Computer Security.

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IMPORTANT DATES

Papers due:　　　February 10, 2015, 11:59pm EST
Author response period: March 23-24, 2015, ending at 11:59pm EST
Notification:　　　April 6, 2015
Camera ready:　　May 9, 2015
Symposium:　　　July 14--17, 2015

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PROGRAM COMMITTEE

Michele Bugliesi, Universita Ca Foscari Venezia
Jason Crampton, Royal Holloway
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David Naumann, Stevens Institute of Technology
Catuscia Palamidessi, INRIA (Area Chair on Privacy)
Olivier Pereira, UC Louvain (Area Chair on Voting)
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Mudhakar Srivatsa, IBM T J Watson Center
Santiago Zanella Beguelin, MSR-INRIA
Jianying Zhou, Institute for Infocomm Research

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PAPER SUBMISSION INSTRUCTIONS

Submitted papers must not substantially overlap with papers that have

been published or that are simultaneously submitted to a journal or a

conference with published proceedings.

Papers must be submitted using the two-column IEEE Proceedings style

available for various document preparation systems at the IEEE
Conference Publishing Services page. All papers should be at most 12

pages long, not counting bibliography and well-marked appendices.
Committee members are not required to read appendices, and so the
paper must be intelligible without them.

Following the recent history of other top-quality conferences and

symposia in security, CSF'15 will employ a light form of double-blind

reviewing. To facilitate this, submitted papers must (a) omit any
reference to the authors' names or the names of their institutions,
and (b) reference the authors' own related work in the third person
(e.g., not "We build on our previous work ..." but rather "We build on

the work of ..."). Nothing should be done in the name of anonymity
that weakens the submission or makes the job of reviewing the paper
more difficult (e.g., important background references should not be
omitted or anonymized). Please see the conference site for answers to

frequently asked questions (FAQ) that address many common
concerns. When in doubt, contact the program chairs.

Papers failing to adhere to any of the instructions above will be
rejected without consideration of their merits.

Papers should be submitted in Portable Document Format (PDF) to the
CSF 2015 submission site:

  https://csf15.hotcrp.com/.

Papers intended for one of the special sessions should select the
"Privacy", "Voting", or "Secure Systems" option, as appropriate.

At least one coauthor of each accepted paper is required to attend CSF

to present the paper.

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PC Chairs
Cedric Fournet, Microsoft Research
Michael Hicks, University of Maryland

General Chair
Luca Vigano, King's College, London

Publications Chair
Deepak Garg, Max Planck Institute for Software Systems

Publicity Chair
Matteo Maffei, CISPA, Saarland University