Program Chairs' Report

David Evans
University of Virginia

Giovanni Vigna
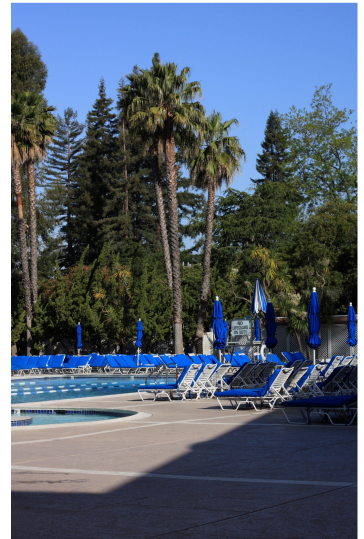UC Santa Barbara

IEEE SYMPOSIUM on SECURITY & PRIVACY
May 16-19, 2010 • The Claremont Resort, Oakland, CA • 30th Anniversary

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Agenda

Review Process
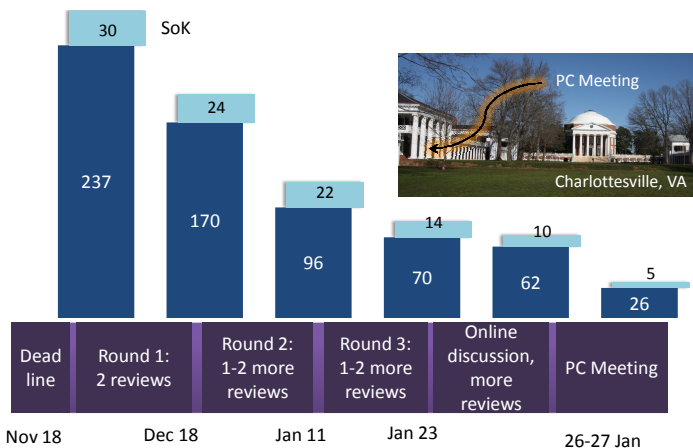
Some Statistics on the Papers

Awards

Program Committee

Giuseppe Ateniese, *Johns Hopkins University*
Michael Backes, *Saarland University / Max Planck ISS*
Adam Barth, *University of California, Berkeley*
Nikita Borisov, *University of Illinois at Urbana-Champaign*
David Brumley, *Carnegie Mellon University*
Cristian Cadar, *Imperial College London*
Shuo Chen, *Microsoft Research Redmond*
Anupam Datta, *Carnegie Mellon University*
Nick Feamster, *Georgia Institute of Technology*
Debin Gao, *Singapore Management University*
Jon Giffin, *Georgia Institute of Technology*
Virgil Gligor, *Carnegie Mellon University*
Michael Goodrich, *University of California, Irvine*
J. Alex Halderman, *University of Michigan*
Somesh Jha, *University of Wisconsin*
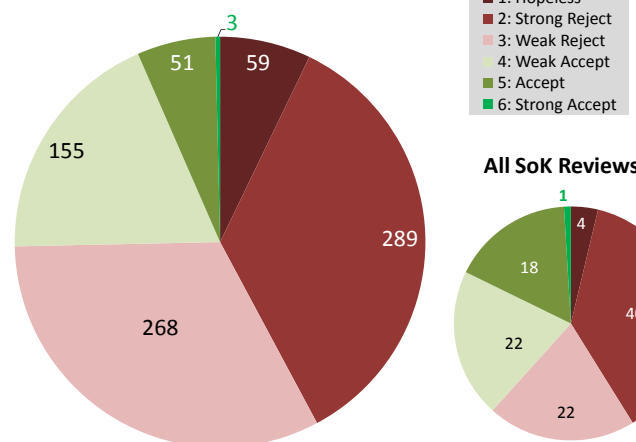**Bob Johnson**, *Stony Brook University*

External Reviewers

Aditya Akella
Aslan Askarov
Thanassis Avgerinos
Lucas Ballard
Matthias Berg
Karthikeyan Bhargavan
Leyla Bilge
Arnar Birgisson
Prithvi Bisht
Raymond Buse
Juan Caballero
Stephen Checkoway
Joe Cooley
Scott Crosby
Deepak D'Souza
Pierre Malo Danielou
Matthew Davis
Manuel Egele
Jason Franklin
Matt Fredrikson
Deepak Garg

Paolo Gasti
Sebastian Gerling
Steven Gianvecchio
Kalpana Gondi
Xun Gong
Bill Harris
Pieter Hooimeijer
Amir Houmansadr
Sonia Jahid
Limin Jia
Aaron Johnson
Deborah Johnson
Joshua Juen
Boris Koepf
Louis Kruger
Andrea Lanzi
Claire Le Goues
JongHyup Lee
Peng Li
Zhou Li
Zhuowei Li

Zhiqiang Lin
Mike Ter Louw
Matteo Maffei
Stephen McCamant
Kazuhiro Minami
Prateek Mittal
Esfandiar Mohammadi
Madan Musuvathi
Chitra Muthukrishnan
Shishir Nagaraja
Arvind Narayanan
Giang Nguyen
Kim Pecina
Adrian Perrig
Michael Piatek
Willard Rafnsson
Raphael Reischuk
Eric Rescorla
Junghwan Rhee
Alejandro Russo
Brian Schulte

Edward Schwartz
Hendrik Schweppe
Dan Simon
Yingbo Song
Miroslava Sotakova
Ahren Studer
Christopher Szilagyi
Ankur Taly
Michael Tschantz
Dominique Unruh
Danny Walker
Qiyan Wang
Rui Wang
Xinran Wang
Bogdan Warinschi
Nicholas Weaver
Dinghao Wu
Ting-Fang Yen
Kehuan Zhang
Michelle Zhou

Review Process

SoK: 30, 24, 22, 14, 10, 5

237 → 170 → 96 → 70 → 62 → 26

| Dead line | Round 1: 2 reviews | Round 2: 1-2 more reviews | Round 3: 1-2 more reviews | Online discussion, more reviews | PC Meeting |

Nov 18 — Dec 18 — Jan 11 — Jan 23 — 26-27 Jan

PC Meeting
Charlottesville, VA

All Research Reviews

- 1: Hopeless — 59
- 2: Strong Reject — 289
- 3: Weak Reject — 268
- 4: Weak Accept — 155
- 5: Accept — 51
- 6: Strong Accept — 3

All SoK Reviews

- 1: Hopeless — 4
- 2: Strong Reject — 40
- 3: Weak Reject — 22
- 4: Weak Accept — 22
- 5: Accept — 18
- 6: Strong Accept — 1

Acceptance Rate by Topic

Language-based security AND Web security: 100% (3/3)

- Language-based security
- Web security
- Secure information flow
- System security
- Formal Methods
- Embedded systems security
- Application security
- Attacks and defenses
- Hardware security
- Average
- Malware
- Security architectures
- Network security
- Authentication
- Security and privacy policies
- Anonymity
- Metrics
- Forensics
- Intrusion detection
- Access control
- Usability and security
- Protocol security
- Cryptography
- Privacy-preserving systems
- Distributed systems security

(Axis: 0% – 40%)

Submissions per Million (shared by authors)

- Luxembourg
- Singapore
- Switzerland
- USA
- Canada
- Belgium
- Austria
- Israel
- Germany
- Australia
- Norway
- United Kingdom
- Oman
- Tunisia
- France
- Finland
- Italy
- Netherlands
- Korea
- Spain
- Slovak Republic
- Greece
- Taiwan
- Malaysia
- Iran
- Hong Kong
- Pakistan
- Japan
- Chile
- China
- India

(Axis: 0.0 – 5.0)
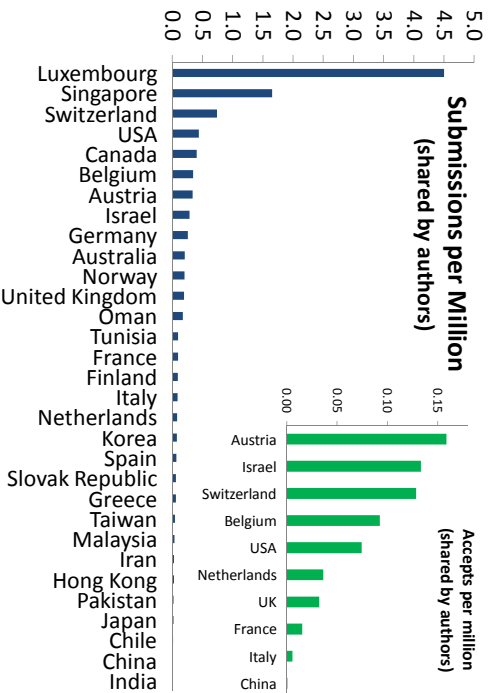
Accepts per million (shared by authors)

- Austria
- Israel
- Switzerland
- Belgium
- USA
- Netherlands
- UK
- France
- Italy
- China

(Axis: 0.00 – 0.15)

Accepted Research Papers

- 32
- 3
- 9
- 34
- 58

Legend:
- 2: Strong Reject
- 3: Weak Reject
- 4: Weak Accept
- 5: Accept
- 6: Strong Accept

Best Paper Awards

Paper Awards Committee
David Evans, *University of Virginia*
Somesh Jha, *University of Wisconsin*
Yoshi Kohno*, *University of Washington*
Mike Reiter, *University of North Carolina*
Giovanni Vigna, *UC Santa Barbara*

* Not for Best Practical Paper Award

Submits/Accepts by Topic

- System security
- Network security
- Attacks and defenses
- Application security
- Cryptography
- Privacy-preserving systems
- Security architectures
- Protocol security
- Intrusion detection
- Access control
- Formal Methods
- Malware
- Web security
- Distributed systems security
- Secure information flow
- Authentication
- Security and privacy policies
- Anonymity
- Hardware security
- Language-based security
- Usability and security
- Forensics
- Embedded systems security
- Metrics
- Recovery
- None
- Censorship-resistance

Legend:
- Submitted
- Accepted (Scaled)

(Axis: 0 – 100)

Papers by Country

counting each contact author / number of authors

- US Academic
- Germany
- US Commercial
- Canada
- United Kingdom
- China
- India
- Singapore
- France
- Switzerland
- Italy
- Australia
- Korea
- Pakistan
- Belgium
- .org
- Spain
- Austria
- Japan
- Luxembourg
- Iran
- Israel
- Netherlands

Legend:
- Number of submissions
- # accepted × 1/(acceptance rate)

(Axis: 0 – 160)

Best Practical Paper

Presented by *IEEE Security & Privacy Magazine* to the "paper most likely to immediately improve the security of current environments and systems."

Best Practical Paper

Chip and PIN is Broken
Steven J. Murdoch
Saar Drimer
Ross Anderson
Mike Bond
University of Cambridge

Best Student Paper

TaintScope: A Checksum-Aware Directed Fuzzing Tool for Automatic Software Vulnerability Detection
Tielei Wang, *Peking University*
Tao Wei, *Peking University*
Guofei Gu, *Texas A & M University*
Wei Zou, *Peking University*

Best Paper

SCiFI - A System for Secure Face Identification
Margarita Osadchy
Benny Pinkas
Ayman Jarrous
Boaz Moskovich
Univesity of Haifa

Thanks!

Giovanni Vigna
Program Committee members
External reviewers
Authors

Organizers
Ulf Lindqvist (General Chair)
Deb Frincke (Registration)
Al Shaffer (Treasurer)
Jenny McNeill (Publications chair)
Carrie Gates (Poster and workshops chair)
Adrienne Felt (Web/design chair)
Angelos Stavrou (Short talks chair)
Peter Neumann (30th Anniversary papers)
Technical Committee: Hilarie Orman, Terry Benzel, Sven Dietrich, Cynthia Irvine