Welcome from the General Chair

16th Conference on Detection of Intrusions and Malware & Vulnerability Assessment

Magnus Almgren
Chalmers University of Technology
Sweden
Thanks to our sponsors!

special thanks to: Springer
Conference Logistics

Social event
Open-air boat tour in the channels of Gothenburg. We meet 1745. See map or use google maps and search for “Paddan”.

Conference Dinner
It will take place at Kungsportshuset Matbar in walking distance from the boat. We expect to meet there 19:00.
Welcome from the PC Chairs

16th Conference on Detection of Intrusions and Malware & Vulnerability Assessment

Roberto Perdisci
University of Georgia, USA

Clémentine Maurice
CNRS, IRISA, France
CFP changes

• DIMVA Conference -- 16\textsuperscript{th} edition!

• This year’s changes to the CFP in 2019
  • Double-blind review
    • Fully anonymized papers
    • Papers that were not appropriately anonymized were rejected without review
  • Ethical considerations
    • IRB for experiments with user-related data
    • Responsible disclosure
Number of Submissions

DIMVA submissions history

Year

Submissions


DIMVA 2019

2019: 80 submissions
Geographic distribution of authors

- USA
- Germany
- Netherlands
- France
- Italy
- China
- Japan
- Canada
- UK
- Korea
- Sweden
- Finland
- Luxembourg
- Austria
- Denmark
- Greece
- Israel
- Russia
- Switzerland
- Belgium
- Cyprus
- Taiwan
- Czech Republic
- Ireland
- Romania
Review Process and Acceptance Rate

• 80 valid submissions
• 5-6 paper reviews per PC member
• 240 reviews
• PC meeting at Georgia Tech on April 8

• 23 accepted papers

• 11/23 papers conditionally accepted with shepherding
  • Fix presentation issues
  • Clarify / correct claims and technical content
  • Proper vulnerability disclosure

2019 Acceptance Rate

\[
\frac{23}{80} = 28.8\%
\]
Outstanding Reviewer Award

• Review quality voted by peers
Outstanding Reviewer Award

Leyla Bilge
Symantec Research Labs
Outstanding Reviewer Award

Leyla Bilge
Symantec Research Labs
Other Awesome Reviewers!

Vasileios Kemerlis
Brown University

Georgios Portokalidis
Stevens Institute of Technology
Best Paper Award

• PC Chairs selected four candidate papers
• PC members voted
• Three papers received almost equal number of votes
• PC Chairs made the final decision
Two Best Paper Runner-ups...
Two Best Paper Runner-ups...
Two Best Paper Runner-ups...

SAFE: Self-Attentive Function Embeddings for Binary Similarity

Luca Massarelli, Giuseppe Antonio Di Luna, Fabio Petroni, Roberto Baldoni, and Leonardo Querzoni

*Sapienza University of Rome - CINI Cybersecurity National Laboratory, Italy
*Facebook AI Research

JUNE 19-20, 2019
GOTHENBURG, SWEDEN
And the Best Paper Award goes to...
And the Best Paper Award goes to...
Conference Program -- Paper Topics

- Web Security
- Cyber-Physical Systems
- Attack Mitigation
- Malware
- Network Security
- Software Security
Keynote Speakers

Mathias Payer  
EPFL  
Security Testing  
Hard-to-Reach Code

Frank Piessens  
KU Leuven  
Defending against transient execution attacks
Enjoy the Conference!
Closing Remarks

Acknowledgments:

• General Chair
• Organizing Committee
• Program Committee
• Steering Committee
• Sponsors
• Authors
See you at DIMVA 2020!