

# Curriculum Vitae

**Panagiotis Papadopoulos, Ph.D.**

Security & Privacy Researcher

November 9, 2020

## PERSONAL INFORMATION

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**Email:** panos.papadop@outlook.com  
**LinkedIn:** [linkedin.com/in/panagiotis-panos-papadopoulos-7aa80560](https://www.linkedin.com/in/panagiotis-panos-papadopoulos-7aa80560)  
**Research Interests:** Security & Privacy, Networks, Fraud Detection, Anonymity, Privacy Enhancing Technologies, Internet Measurements, Ad Transparency.

## EXPERIENCE

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**Security Researcher** *October 2020 - present*  
*Telefonica Research* *Barcelona, Spain*

- Role: Conducting research related to Web Security & Privacy, and Fraud Detection.

**Cyber Security Consultant** *August 2020 - September 2020*  
*DataSpartan* *London, UK*

- Role: The firm's Security expert providing cyber-security consultancy services to Blockchain companies and startups.

**Security Researcher** *September 2018 - September 2020*  
*Brave Software Inc.* *London, UK*

- Role: Responsible for leading the company's security-related research. I design and lead the development of innovative solutions related to detection and prevention of fraud (e.g., Sybil attacks, API exploitation, ad fraud, referral fraud, etc.) that preserve the privacy of the user.

**Assistant Researcher** *January 2012 - September 2018*  
*Distributed Computing Systems Lab, (ICS-FORTH)* *Heraklion, Crete*

- Supervisors: Prof. Evangelos P. Markatos, Dr. Sotiris Ioannidis
- Participation in several EU-funded projects (Protasis, Tracer, ForToo).
- Fields of Research: Privacy, Transparency and Anonymization, Network Security.

**Research Intern** *October 2017*  
*Queen Mary University of London* *London, UK*

- Supervisors: Prof. Hamed Haddadi,
- Fields of Research: IoT Privacy
- Summary: Research intern in the EPSRC Project Databox on Privacy-Aware Personal Data Platforms with Prof. Hamed Haddadi and Thomas Lodge (University of Nottingham).

**Research Intern** *October 2016 - February 2017*  
*Telefonica Research* *Barcelona, Spain*

- Supervisors: Dr. Nicolas Kourtellis,

- Fields of Research: Web Privacy
- Summary: We conducted the first to our knowledge full-scale longitudinal study about Cookie Synchronization in the wild. In particular, we investigated this mechanism, which is used as a workaround for same origin policy along with the privacy leak it causes to the users.

### **Research Intern**

*Telefonica Research*

*November 2015 - March 2016*

*Barcelona, Spain*

- Supervisors: Dr. Nikolaos Laoutaris, Dr. Nicolas Kourtellis
- Fields of Research: Web Advertising & Privacy
- Summary: We measured the monetary cost the advertisers pay for the user's private data. By tapping on programmatic auctions and RTB protocol, we trained a model, that uses as input the private data the user leaks, to extract the per-impression cost paid at real-time, either when the price is encrypted or not.

### **Teaching Activities**

*Computer Science Department, University of Crete, Greece*

*Spring 2012 - Sprint 2018*

*Heraklion, Crete*

- Teaching Assistance in several courses:
  - Introduction to Information Security Systems (CS457) Spring 2018 - Prof. E. Markatos, University of Crete
  - Game Theory (CS693) Spring 2017 - Prof. A. Traganitis, University of Crete
  - Internet Systems and Technologies (CS558) Spring 2015 - Prof. E. Markatos, University of Crete
  - Network Measurements (CS459) Spring 2014 - Prof. E. Markatos, University of Crete
  - Operating Systems (CS345) Fall 2013, 2014, 2015 - Prof. E. Markatos, University of Crete
  - Laboratory in Software Engineering (CS255) Spring 2013 - Prof. A. Bilas, University of Crete
  - Data Structures (CS240) Fall 2012 - Prof. P. Fatourou, University of Crete
  - Web Programming (CS359) Spring 2012 - Prof. Y. Tzitzikas, University of Crete

### **Assistant Researcher**

*Distributed Computing Systems Lab, (ICS-FORTH)*

*January 2012 - January 2014*

*Heraklion, Crete*

- Supervisors: Prof. Evangelos P. Markatos, Dr. Sotiris Ioannidis
- Participation in the EU-funded project SysSec.
- Fields of Research: Network Privacy and Anonymization

### **Undergraduate Trainee**

*Distributed Computing Systems Lab, (ICS-FORTH)*

*September 2011 - December 2011*

*Heraklion, Crete*

- Supervisor: Prof. Evangelos P. Markatos
- Participation in the EU-funded project i-Code (Real-time Malicious Code Identification)
- Fields of Research: Web Privacy

## **EDUCATION**

### **Ph.D. in Computer Science**

University of Crete, Greece

*March 2014 - September 2018*

Thesis Topic: *The Advertising Ecosystem and its Impact on the User Privacy*

Academic Advisor: Prof. Evangelos P. Markatos

## M.Sc. in Computer Science

February 2012 - February 2014

University of Crete, Greece

Thesis Topic: *Anonymous Microblogging Browsing through obfuscation*

Academic Advisor: Prof. Evangelos P. Markatos

Overall GPA: 9.36/10

## B.Sc. in Computer Science

September 2006 - July 2011

University of Crete, Greece

Thesis Topic: *Questioning the security of cross-domain components of Web 2.0 Mashups*

Academic Advisor: Prof. Evangelos P. Markatos

Overall GPA: 7.12/10

## SELECTED PEER-REVIEWED PUBLICATIONS

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- 1 Michalis Pachilakis, Antonios Chariton, Panagiotis Papadopoulos, Panagiotis Ilia, Eirini Degkleri, Evangelos P. Markatos, **Design and Implementation of a Compressed Certificate Status Protocol**, In proceedings of ACM Transactions on Internet Technology (**TOIT'20**).
- 2 Panagiotis Papadopoulos, Peter Snyder, Dimitrios Athanasakis, Benjamin Livshits, **Keeping Out the Masses: Understanding the Popularity and Implications of Internet Paywalls**, In proceedings of the 29th International World Wide Web Conference (**WWW'20**), April 2020, Taiwan, Taipei.
- 3 Alexander Sjusten, Peter Snyder, Antonio Pastor, Panagiotis Papadopoulos, Benjamin Livshits, **Filter List Generation for Underserved Regions**, In proceedings of the 29th International World Wide Web Conference (**WWW'20**), April 2020, Taiwan, Taipei.
- 4 Pushkal Agarwal, Sagar Joglekar, Panagiotis Papadopoulos, Nishanth Sastry, Nicolas Kourtellis **Stop Tracking Me Bro! Differential Tracking Of User Demographics On Hyperpartisan Websites**, In proceedings of the 29th International World Wide Web Conference (**WWW'20**), April 2020, Taiwan, Taipei.
- 5 Michalis Pachilakis, Panagiotis Papadopoulos, Evangelos P. Markatos, Nicolas Kourtellis, **No More Chasing Waterfalls: A Measurement Study of the Header Bidding Ad-Ecosystem**, In proceedings of the 19th Internet Measurement Conference (**IMC'19**), October 2019, Amsterdam, The Netherlands.
- 6 Panagiotis Papadopoulos, Panagiotis Ilia, Evangelos P. Markatos. **Truth in Web Mining: Measuring the Profitability and the Imposed Overheads of Cryptojacking**, In proceedings of the 22nd Information Security Conference (**ISC'19**), September 2019, New York, USA.
- 7 Panagiotis Papadopoulos, Nicolas Kourtellis, Evangelos P. Markatos. **Cookie Synchronization: Everything You Always Wanted to Know But Were Afraid to Ask**, In proceedings of the 28th International World Wide Web Conference (**WWW'19**), April 2019, San Francisco, California, USA.

- 8 Panagiotis Papadopoulos, Panagiotis Ilia, Michalis Polychronakis, Evangelos P. Markatos, Sotiris Ioannidis, Giorgos Vasiliadis. **Master of Web Puppets: Abusing Web Browsers for Persistent and Stealthy Computation**, In proceedings of the 26th Network and Distributed System Security Symposium (NDSS'19), February 2019, San Diego, California, USA.
- 9 Panagiotis Papadopoulos, Antonis Papadogiannakis, Michalis Polychronakis, Evangelos P. Markatos, **Is Privacy possible without Anonymity? The case for microblogging services**, Proceedings of the 12th European Workshop on Systems Security (EuroSec'19), March 2019, Dresden, Germany.
- 10 Panagiotis Papadopoulos, Nicolas Kourtellis, Evangelos P. Markatos. **The Cost of Digital Advertisements: Comparing User and Advertiser Views**, In proceedings of the 27th International World Wide Web Conference (WWW'18), April 2018, Lyon, France.
- 11 Panagiotis Papadopoulos, Antonios A. Chariton, Elias Athanasopoulos, Evangelos P. Markatos. **Where's Wally? How to Privately Discover your Friends on the Internet**, In proceedings of the 13th ACM Asia Conference on Computer and Communications Security (AsiaCCS'18), June 2018, Songdo, Incheon, South Korea.
- 12 Panagiotis Papadopoulos, Nicolas Kourtellis, Evangelos P. Markatos. **Exclusive: How the (synced) Cookie Monster breached my encrypted VPN session**, In proceedings of the 11th European Workshop on Systems Security (EuroSec'18), April 2018, Porto, Portugal.
- 13 Giannis Tzagarakis, Panagiotis Papadopoulos, Antonios A. Chariton, Elias Athanasopoulos, Evangelos P. Markatos. **Opass: Zero-storage Password Management Based on Password Reminders**, In proceedings of the 11th European Workshop on Systems Security (EuroSec'18), April 2018, Porto, Portugal.
- 14 Panagiotis Papadopoulos, Nicolas Kourtellis, Pablo Rodriguez Rodriguez, Nikolaos Laoutaris. **If you are not paying for it, you are the product: How much do advertisers pay to reach you?**, In proceedings of the 17th Internet Measurement Conference (IMC'17), 2017, London, UK.
- 15 Panagiotis Papadopoulos, Giorgos Christou, Giorgos Vasiliadis, Evangelos P. Markatos, Sotiris Ioannidis. **No sugar but all the taste! Memory Encryption without Architectural Support**, In proceedings of the 22nd European Symposium on Research in Computer Security (ESORICS'17), 2017, Oslo, Norway.
- 16 Elias Papadopoulos, Michalis Diamantaris, Panagiotis Papadopoulos, Thanasis Petsas, Sotiris Ioannidis and Evangelos P. Markatos. **The Long-Standing Privacy Debate: Mobile Websites Vs Mobile Apps**, In proceedings of the 26th International World Wide Web Conference (WWW'17), 2017, Perth, Australia. (Best Paper Honorable Mention)
- 17 Antonios Chariton, Eirini Degkleri, Panagiotis Papadopoulos, Panagiotis Ilia, Evangelos P. Markatos. **CCSP: a Compressed Certificate Status Protocol**, In proceedings of IEEE International Conference on Computer Communications (INFOCOM'17), Atlanta, Georgia, USA.

- 18 Panagiotis Papadopoulos, Elias Athanasopoulos, Eleni Kosta, George Siganos, Angelos D. Keromytis and Evangelos P. Markatos. **Provable Network Activity for Protecting Users against False Accusation**, In proceedings of the 10th International Conference on Information Security Theory and Practice (**WISTP'16**).
- 19 Antonios Chariton, Eirini Degkleri, Panagiotis Papadopoulos, Panagiotis Ilia, Evangelos P. Markatos. **DCSP: Performant Certificate Revocation a DNS-based approach**, In proceedings of the 9th European Workshop on System Security (**EuroSec'16**). April 2016, London, UK.
- 20 Panagiotis Papadopoulos, Giorgos Christou, Thanasis Petsas and Giorgos Vasiliadis. **MAD: A Middleware Framework for Multi-Step Attack Detection**. In proceedings of the 4th IEEE International Workshop on Building Analysis Datasets and Gathering Experience Returns for Security (**BADGERS'15**). November 2015, co-located with the 18th International Symposium on Research in Attacks, Intrusions and Defenses (RAID), Kyoto, Japan.
- 21 Panagiotis Garefalakis, Panagiotis Papadopoulos and Kostas Magoutis **ACaZoo: A Distributed Key-Value Store based on Replicated LSM-Trees**. In Proceedings of 33rd IEEE Symposium on Reliable Distributed Systems (**SRDS'14**). October 2014, Nara, Japan.  
(Best Student Paper Award)
- 22 Panagiotis Garefalakis, Panagiotis Papadopoulos, Ioannis Manousakis and Kostas Magoutis **Strengthening Consistency in the Cassandra Distributed Key-Value Store** 13th International IFIP Conference on Distributed Applications and Interoperable Systems (**DAIS'13**). June 2013, Florence, Italy.
- 23 Panagiotis Papadopoulos, Antonis Papadogiannakis, Michalis Polychronakis, Apostolis Zarras, Thorsten Holz, Evangelos P. Markatos. **k-subscription: Privacy-preserving Microblogging Browsing through Obfuscation**. In Proceedings of the 2013 Annual Computer Security Applications Conference (**ACSAC'13**). December 2013, New Orleans, Louisiana, USA.

## TECHNICAL REPORTS AND WORK IN PROGRESS

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- **Decentralized and Trustless Ad Platform with Reporting Integrity**, Gonalo Pestana, Iñigo Querejeta-Azurmendi, Panagiotis Papadopoulos and Benjamin Livshits.
- **ZKSENSE: a Privacy-Preserving Mechanism for Bot Detection in Mobile Devices**, Panagiotis Papadopoulos, Inigo Querejeta Azurmendi, Jiexin Zhang, Matteo Varvello, Antonio Nappa, Benjamin Livshits.
- **WRIT: Web Requests Integrity and Attestation**, Giorgos Vasiliadis, Apostolis Karampelas, Alexander Shevtsov, Sotiris Ioannidis, Panagiotis Papadopoulos, Alexandros Kapravelos.
- **ScrambleSuit: A Tool for Evading Malware Analysis Sandboxes using PoW-based Timing Side Channels**, Antonio Nappa, Panagiotis Papadopoulos, Matteo Varvello, Daniel Aceituno, Juan Tapiador, Andrea Lanzi.
- **The Rise and Fall of Fake News sites: A Traffic Analysis**, Emmanouil Xalkiadakis, Alexandros Kornilakis, Panagiotis Papadopoulos, Evangelos P. Markatos, Nicolas Kourtellis.

- **Privacy Risks from Public Data Sources**, Panagiotis Papadopoulos, Zacharias Tzermias, Sotiris Ioannidis, Vassilis Prevelakis.
- **OUTOPIA: Privacy-Preserving User Discovery on the Internet**, Panagiotis Papadopoulos, Michalis Pachilakis, Antonios Chariton, Evangelos P. Markatos.
- **The Blind Men and the Internet: Generalizing Web Measurement Results across Vantage Points**, Jordan Jueckstock, Shaown Sarker, Peter Snyder, Matteo Varvello, Benjamin Livshits, Alexandros Kapravelos.
- **VPN0: A Privacy-Preserving Decentralized Virtual Private Network**, Matteo Varvello, Iñigo Querejeta-Azurmendi, Antonio Nappa, Panagiotis Papadopoulos, Gonçalo Pestana and Benjamin Livshits.
- **Measuring Ad Value Without Bankrupting User Privacy**, Michalis Pachilakis, Panagiotis Papadopoulos, Nikolaos Laoutaris, Evangelos P. Markatos, Nicolas Kourtellis.

## BLOG POSTS

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- **THEMIS: Towards a Decentralized Ad Platform with Reporting Integrity**, Gonçalo Pestana, Iñigo Querejeta-Azurmendi, Panagiotis Papadopoulos and Benjamin Livshits, 2020  
<https://brave.com/themis/>
- **VPN0: A Privacy-Preserving Distributed Virtual Private Network**, Matteo Varvello, Iñigo Querejeta-Azurmendi, Panagiotis Papadopoulos, Gonçalo Pestana and Benjamin Livshits, 2019,  
<https://brave.com/vpn0-a-privacy-preserving-distributed-virtual-private-network/>
- **zkSENSE: a Privacy-Preserving Mechanism for Bot Detection in Mobile Devices**, Stan (Jiexin) Zhang, Panagiotis Papadopoulos, Benjamin Livshits, 2019,  
<https://brave.com/zksense-a-privacy-preserving-mechanism-for-bot-detection-in-mobile-devices/>

## HONORS & AWARDS

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### Doctoral Fellowship

*June 2018*

*Committee of Computer Science Department, University of Crete*

The University of Crete awards every year 20 honorary “Maria Michail Manasaki” Bequest Fellowships: 10 fellowships are awarded to the Faculty of Medicine and 10 to the Faculty of Sciences and Engineering. Fellowships consist of a 6,000.00 Euro award. The Department of Computer Science awards with its Manasaki Fellowships one exceptional Ph.D. candidate at the end of each academic year.

### Doctoral Scholarship

*May 2017*

*Committee of ELIDEK 2017*

- Honored to receive 1 of the 125 scholarships (2nd best grade in University of Crete) of the 1st Hellenic Foundation for Research and Innovation (ELIDEK) Scholarships for Doctoral Candidates in Computer Science and Engineering in Greece. The selection was made based on the scientific background and the ability of the candidates to implement the research work undertaken as part of their thesis. Each proposal was reviewed by two independent experts and the final evaluation and ranking of the proposals made by special committees comprised of distinguished scientists in the particular scientific area.



**Best Paper Honorable Mention***April 2017**Committee of WWW 2017*

- Best Paper Honorable Mention evaluated by the Best Paper Honorable Mention Committee of the 26th International World Wide Web Conference (WWW 2017): David Carmel (Yahoo Research; committee chair), Qiaozhu Mei (University of Michigan), Jian Pei (Simon Fraser University), and Elad Yom-Tov (Microsoft Research).

**Best Student Paper Award***October 2014**Committee of SRDS 2014*

- Best Student Paper Award evaluated by the Best Paper Award Co-Chairs of the 33rd IEEE International Symposium on Reliable Distributed Systems (SRDS 2014).

**Selected for Participation in HLF'18***September 2018**Scientific Committee of Heidelberg Laureate Forum Foundation*

- Honored to be selected as 1 of the 200 Young researchers that will participate in the 6th Heidelberg Laureate Forum (HLF'18), Heidelberg Germany.

**Travel Grant***January 2019**NDSS Travel Grant review Committee*

- Recipient of Student Travel grant to attend the 26th annual Network and Distributed System Security (NDSS) Symposium in San Diego, California.

**Travel Grant***September 2018**The Bioinformatics and Human Electrophysiology Lab (BiHELab)*

- Selected as the only Greece-based Young Researcher to receive BiHELab Grant for participating in the 6th Heidelberg Laureate Forum (HLF'18).

**Student Conferenceship Award***April 2016**EuroSys Committee*

- Travel grant to attend EuroSys conference 2016 held in London, UK

**Student Conferenceship Award***November 2014**IMC Committee*

- Travel grant to attend Internet Measurement Conference (IMC 2014) held in Vancouver, BC, Canada

**Student Conferenceship Award***December 2013**ACSAC Committee*

- Student Conferenceship Award for the Annual Computer Security Applications Conference (ACSAC 2013) held in New Orleans, Louisiana, USA

**Distinguished position in Teaching Assistance***February 2013 - July 2013*

- Honored to receive one of the five distinct positions in teaching assistance during the spring semester of 2013. The selection was made from the University of Crete in accordance to the ranking of the candidates based on the GPA during their postgraduate studies.

## Undergraduate Scholarship

September 2011 - December 2011

- Scholarship by the Foundation for Research and Technology - Hellas (FORTH)

## INVITED TALKS

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### Greek Cryptocurrency Community Meetup

Athens, 2020

- Title: *Rebooting the Web: Brave Browser and Basic Attention Token*
- <https://www.youtube.com/watch?v=HEtm8Y9kujo>

### European Data Protection Supervisor, Internet Privacy Engineering Network

Rome, 2020

- Title: *Panel on Web Tracking: Exposing and limiting web tracking - technology, design, litigation and enforcement*
- <https://edps.europa.eu/data-protection/our-work/ipen/ipen-2020-panel-web-tracking-en>

### European Data Protection Supervisor, Internet Privacy Engineering Network

Brussels, 2019

- Title: *Monetising without surveillance: The Brave Ad Platform.*
- [https://edps.europa.eu/ipen-rome-workshop-2019\\_en](https://edps.europa.eu/ipen-rome-workshop-2019_en)

### European Union Satellite Centre (SatCen)

Madrid, 2018

- Title: *The Next Generation Threats and Cyber Security Challenges.*

### PROTASIS Marie Sklodowska-Curie IoT Workshop

Dagstuhl, 2017

- Title: *Syncing the cookie monster: A longitudinal study of cookie syncing and its impact on user privacy.*
- <http://www.dagstuhl.de/17143>

### Athens Cassandra Meetup

Athens, 2015

- Title: *Cassandra Consistency - Trade-offs and Limitations*
- <http://www.meetup.com/Athens-Cassandra-Users/events/220922960/>

## EXTERNAL SERVICE

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### Organizer

2019

- 1st Brave London Privacy Meetup
- <https://www.eventbrite.com/e/brave-privacy-meetup-tickets-75221267837>

### PC Member

2019

- 32nd International World Wide Web Conference (WWW 2021)
- 31st International World Wide Web Conference (WWW 2020)

### Publicity Chair

2016

- 11th International Workshop on Security and Trust Management (STM 2016)



## Session Chair

2016

- 21th European Symposium on Research in Computer Security (ESORICS 2016)
- 11th International Workshop on Security and Trust Management (STM 2016)

## Paper Reviewer

- WWW (2019, 2020), IEEE Access (2018,2019,2020), ACSAC (2018), IEEE/ACM Transactions on Networking (2017), ACNS (2016), STM (2016), RAID (2015), IMC (2015), ESORICS (2015), DIMVA (2015), International Journal of Information Security (2015, 2016), IET Information Security (2014, 2018, 2019, 2020), DBSec (2015)

## SUPERVISED STUDENTS

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- Alex Kornilakis (Graduate Trainee at FORTH-ICS):  
“Incognito Mode for Privacy-Preserving Browsing in Online Social Networks”
- Antonio A. Pastor (PhD student at Universidad Carlos III de Madrid):  
“Automated Evaluation of the Accuracy of Ad-block Lists”
- Stan Zhang (PhD student at University of Cambridge):  
“Application-level continuous privacy-preserving human attestation”
- Eirini Degkleri (MSc Student in University of Crete):  
“A Large-Scale Analysis of the SSL Certificates in Certificate Transparency”
- Manolis Karampinakis (MSc Student in University of Crete):  
“Investigative study of the growing technology of blockchain”
- Michalis Pachilakis (MSc Student in University of Crete):  
“Design and Implementation of a Compressed Certificate Status Protocol”
- Ilias P. Papadopoulos (MSc Student in University of Crete):  
“The Long-Standing Privacy Debate: Mobile Websites Vs Mobile Apps”
- Apostolos Karabelas (Graduate Trainee at FORTH-ICS):  
“Secure Attestation of Human Interactions on the Web”

## PARTICIPATION IN EU-FUNDED PROJECTS

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### PROTASIS - Marie Skłodowska-Curie Actions

2016

- PROTASIS aims to expand the reach of SysSec to the international community via a joint research program in the area of Systems Security spearheaded by the need to develop a computing infrastructure that will be trusted by the citizens and the organizations they use it. Through a novel international and intersectoral program the participants will advance the state-of-the art in the area of security and privacy and will sharpen their skills using the most advanced methods for cyberattacks and malware. <http://www.protasis.eu/>

### FORTOO - Horizon 2020

2014

- The project aims to develop digital forensics tools that will: (i) identify, (ii) analyze and (iii) visualize illegal activities on the Internet. The objectives of this project are: (i) to design and prototype a toolkit that will detect illegal activities both proactively and after-the-fact, (ii) to

identify the source and perpetrators of the illegal activities, both in terms of virtual/network and, as much as possible, physical location, (iii) to profile the expertise and motive of the attackers, (iv) to present the relevant information in a way that will be usable by investigating authorities, and (v) to maximize the impact of the project through aggressive and effective dissemination of the project's results. <http://www.fortoo.eu/>

## **TRACER**

2014

- Legacy systems are likely to contain software vulnerabilities that can lead to various security breaches. On the other hand, these systems contain valuable information about the environment, the creation and the evolution of the organization they support. For this reason, redesigning large systems in order to be secure and compatible with new technologies is not a practical option, since the information mentioned above could be lost. In addition the cost of replacing such system and retrain its various users, could be prohibitive. In this project we propose a framework that shields legacy systems based on two basic steps: First, our framework analyzes the source code of the system to identify potential software vulnerabilities and eliminates them. Then, depending on the previous analysis the framework proposes solutions to protect the system from the most common web-application attacks. <http://tracer.dmst.aueb.gr/>

## **ATTENDED SUMMER SCHOOLS**

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### **3rd Cybersecurity and Privacy (CySeP) Summer School**

June 2017

*KTH University Stockholm*

- In spite all the progress made, how close are we to feeling safe in cyberspace? How well do we do in addressing real-world security and privacy (S&P) problems? Or, to put it slightly differently, how could we best address them? Given the extensive S&P research and teaching endeavors, do we deploy our best S&P solutions in systems we roll out and rely upon? What are the obstacles? How to further improve education and professional training in this area? Do we reach out to non-experts to make their lives easier when it comes to adopting S&P measures? How to stimulate and integrate customer experiences? These are questions that motivate this Cyber Security and Privacy (CySeP) Summer School.

### **2nd SysSec Summer School, Mobile Malware (Theory and Practice)**

September 2014

*VU University Amsterdam*

- The 2014 SysSec Summer School took a hands-on approach to teach reverse-engineering and analysis of mobile malware. The goal of the school was to be "theory-light and practice-heavy". There were practical exercises to go through, and the lecturer showed code examples at the blackboard and did a step by step analysis. Students worked on performing their own analysis and they wrote their own malware in order to understand the intricacies involved.

### **TransForm School on Research Directions in Distributed Computing**

June 2013

*Foundation for Research and Technology - Hellas (FORTH)*

- The school included a series of talks by renowned researchers covering hot topics on current research in the general area of distributed computing with emphasis on multi-core computing, synchronization protocols, and transactional memory. Additionally, it provided discussion sections on future research directions in the field. The school hosted a number of external researchers from several different disciplines (hardware, systems, software, theory, applications, etc.) The school aimed at

the dissemination of advanced scientific knowledge on the field and the promotion of international contacts among scientists from academia and industry.