ELIAS ATHANASOPOULOS

Associate Professor
Computer Science Department
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Education

- 2011: Ph.D. in Computer Science, University of Crete.
  Modern Techniques for the Detection and Prevention of Web2.0 Attacks.
  Advisor: Prof. Evangelos P. Markatos.

- 2006: M.Sc. in Computer Science, University of Crete.
  Using Unstructured Peer-to-Peer Systems as Denial of Service Attack Platforms.
  Advisor: Prof. Evangelos P. Markatos.

- 2005: B.Sc. in Physics, University of Athens.

Employment

- May 2022 - now: University of Cyprus, Associate Professor.
- September 2016 - April 2022: University of Cyprus, Assistant Professor.
- October 2015 - August 2016: VU University, Amsterdam, Assistant Professor.
- November 2014 - August 2015: FORTH, Collaborating Researcher.
- December 2013 - October 2014: FORTH, Marie Curie Fellow.
- November 2011 - November 2013: Columbia University, Marie Curie Fellow.
- February 2005 - August 2011: FORTH, Research Assistant.
- August 2007 - October 2007: Microsoft Research Cambridge, Research Intern.
- February 2005 - August 2011: FORTH, Research Assistant.
- 2005-2007: Attica Media Group, Editor.
- 2003-2004: Liberis Media Group, IT.
- 2000-2002: Flash Multimedia (Flash.gr), Editor.

Teaching

Instructor

- CS326: Systems Security, University of Cyprus, Spring 2019-2025.
- CS451: Software Analysis, University of Cyprus, Spring 2021-2025.
- DSC517: Data Security, University of Cyprus, Fall 2022-2024.
- CS682: Advanced Security Topics, University of Cyprus, Spring 2018-2020.
- CS133: Object Oriented Programming, Fall 2020.
- CS222: Operating Systems, University of Cyprus, Fall 2019.

- CS475: Network and Information Security, University of Cyprus, Fall 2017.
- CS371: Systems Programming, University of Cyprus, Spring 2017.
- CS323: Theory and Practice of Compilers, University of Cyprus, Spring 2017-2018.
- CS132: Programming Principles II (C programming), University of Cyprus, Fall 2016.
- Secure Programming, VU University, Amsterdam, Period 1, 2016-2017.
- CS457: Introduction to Information Systems Security, University of Crete, Fall 2014.
- CS345: Operating Systems, University of Crete, Fall 2012.

Teaching Assistant

- CS345: Operating Systems, Univ. of Crete, Fall 2009, 2008 and Spring 2006.
- CS558: Internet Technologies, University of Crete, Spring 2009, 2007.
- CS459: Internet Measurements, University of Crete, Fall 2010.
- CS556: Distributed Systems, University of Crete, Spring 2008.
- CS554: Peer-to-Peer Systems, University of Crete, Fall 2007.
- CS555: Parallel Systems and Grids, University of Crete, Fall 2006.
- CS457: Information Systems Security, University of Crete, Fall 2005.
- CS255: Software Engineering Laboratory, University of Crete, Spring 2005.

Scholarships

- XHUNTER. IOF Marie Curie Fellowship (FP7-PEOPLE-2010-IOF),
- 2012-2015. Microsoft Research Ph.D. Scholarship Program, 100,000 euros (2008-2011).
- Graduate Research Fellowship, FORTH, Prof. Evangelos P. Markatos, 2005-2011.

Awards

- Distinguished paper award finalist (*IEEE ESSP 2022)*.
- Best paper award (*IEEE ESSP 2020*).
- Outstanding paper award (*CODASPY 2016*).
- Best student paper award (*ACSAC 2015*).
- Dutch Cyber Security Research best paper award (*Out Of Control: Overcoming Control-Flow Integrity, IEEE Security and Privacy 2014*).
- Maria M. Manassaki Bequest Scholarship, University of Crete. Given to the two best Ph.D. students of the Computer Science Department, 2009-2010.

Editorial Boards

- Deputy Editor, IET Information Security, December 2021 - March 2023.
- Associate Editor, IET Information Security, March 2018 - November 2021.

Service

- Publicity Chair - Applied Cryptography and Network Security (ACNS), 2024.
- Program Co-chair - Information Security Conference (ISC), 2023.
- General Chair - International Symposium on Research in Attacks, Intrusions and Defenses (RAID), 2022.
- Publication Chair - International Symposium on Engineering Secure Software and Systems (ESSoS), 2016, 2017.

Program Committee

- ACM Conference on Computer and Communications Security (CCS), 2017, 2025, 2026.
- Network and Distributed Systems Security (NDSS), 2026.
- Usenix Security, 2021, 2022, 2024, 2025.
- IEEE European Security and Privacy (IEEE EuroS&P), 2024, 2025.
- The Web Conference (ACM WWW), 2024, 2025.
- IEEE International Conference on Distributed Computing Systems (ICDCS), 2023, 2024, 2025.
- Annual Computer Security Applications Conference (ACSAC), 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024.
- International Symposium on Research in Attacks, Intrusions and Defenses (RAID), 2015, 2025.
- SECRYPT, 2023, 2024.
- IEEE/IFIP Network Operations and Management Symposium (NOMS), 2022.
- Detection of Intrusions and Malware and Vulnerability Assessment (DIMVA), 2018, 2020.
- European Workshop on System Security (EuroSec), 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023.
- EAI International Conference on Security and Privacy in Communication Networks (SecureComm), 2021, 2022.
- Australasian Conference on Information Security and Privacy (ACISP), 2020.
- International Workshop on Security in Mobile Technologies (co-located with ACNS), 2020.
- Usenix WOOT, 2018.
- Workshop on Speculative Side-Channel Analysis (WoSSCA, co-located with ECOOP), 2018.
- ACM Student Research Competition as part of the International Conference on Parallel Architectures and Compilation Techniques (PACT), 2018
- ERCIM Blockchain, 2018.
- International workshop on Information & Operational Technology (IT & OT) security systems (IOSec, co-located with ESORICS), 2019.
- International workshop on Information & Operational Technology (IT & OT) security systems (IOSec, co-located with RAID), 2018.
- Information Security Conference (ISC), 2016, 2019.
- IEEE Symposium on Computers and Communications (ISCC), 2017, 2018.
- International Conference on Applied Cryptography and Network Security (ACNS), 2016.
- Passive and Active Measurement Conference (PAM), 2016.
- International Workshop on Security and Trust Management (STM, co-located with ESORICS), 2016.
- IEEE TrustCom, 2016.
- International Conference on Trust and Trustworthy Computing (TRUST), 2014, 2015.
- International Workshop on Future Scenarios for Cyber Crime and Cyber Terrorism (FCCT), 2015.
- International Symposium on Engineering Secure Software and Systems (ESSoS), 2015.
- International Conference on Information Systems Security and Privacy (ICISSP), 2014.
- International Workshop on Building Analysis Datasets and Gathering Experience Returns for Security (BADGERS), 2014.
- IEEE/ACS International Conference on Computer Systems and Applications (AICCSA), 2011.

Ph.D. Thesis Committee Service

- Eva Papadogiannaki, *Identification of Events on Encrypted Network Traffic and Characterization of Malicious Servers on the Internet*, University of Crete, July 2023.
- Argyris Constantinidis, *Personalized Cued-Recall Graphical User Authentication Based on Image Content Familiarity*, University of Cyprus, April 2022.

- Despoina Antonakaki, *Analysis of Evolution, Dynamics and Vulnerabilities of Online Social Networks*, University of Crete, January 2020.
- Zacharias Hadjilambrou, *Harnessing Electromagnetic Emanations for Power-Delivery Network Characterization*, University of Cyprus, November 2019.
- Lucian Cojocar, *Between a Hard and a Soft Place: The (In)secure Interplay of Hardware and Software*, Vrije Universiteit, Amsterdam, September 2019.
- Hariton Efstathiades, *Online Social Networks Analysis: Extracting Insights and Evolution Trends*, University of Cyprus, March 2018.
- Dimitris Trihinas, *Low-Cost Approximate and Adaptive Monitoring Techniques for the Internet of Things*, University of Cyprus, December 2017.

Support for Research

PI

- SecOPERA: Secure Open-source softwarE and hardwaRe Adaptable framework (HORIZON-CL3-2021-CS-01). Duration 2023-2025.
- CyberSecPro: Collaborative, Multi-modal and Agile Professional Cybersecurity Training Program for a Skilled Workforce In the European Digital Single Market and Industries (Horizon Digital Europe). Duration 2022-2025.
- RESPECT: Secure and Privacy-preserving Indoor Robotics for Healthcare Environments. Funded by the The European Commission (H2020/MSCA-RISE-2020). Duration 2021-2023.
- CyberSec4Europe: Establishing and operating a pilot for a Cybersecurity Competence Network to develop and implement a common Cybersecurity Research and Innovation Roadmap. Funded by The European Commission (H2020/SU-ICT-03-2018). Duration 2019-2022.
- REACT: REactively Defending against Advanced Cybersecurity Threats. Funded by The European Commission (H2020/DS-07-2017). Duration 2018-2021.
- PERSONAS: Situational Awareness, Control and Security Policies Enforcement on Multiple Virtualization Personas of Personal Devices. Funded by Research Promotion Foundation (RESTART/ENTERPRISES). Duration 2018-2020.

Publications

1. Antonis Louka, Georgios Portokalidis, and Elias Athanasopoulos. rustc++: Facilitating Advanced Analysis of Rust Code. *In Proceedings of the 18th European Workshop on Systems Security (EuroSec)*, April 2025. Delft, Netherlands.
2. I Putu Arya Dharmaadi, Elias Athanasopoulos, and Fatih Turkmen. Fuzzing Frameworks for Server-side Web Applications: a Survey. *In Proceedings of the International Journal of Information Security*, Volume 24, article number 73, February 2025.
3. Antonis Louka, Antreas Dionysiou, and Elias Athanasopoulos. Validating Memory Safety in Rust Binaries. *In Proceedings of the 17th European Workshop on Systems Security (EuroSec)*, April 2024. Athens, Greece.
4. Pantelina Ioannou and Elias Athanasopoulos. Been here already? Detecting Synchronized Browsers in the Wild. *In Proceedings of the 8th IEEE European Symposium on Security and Privacy*, July 2023. Delft, Netherlands.
5. Antreas Dionysiou and Elias Athanasopoulos. SoK: Membership Inference is Harder than Previously Thought. *In Proceedings of the 23rd Privacy Enhancing Technologies Symposium (PETS)*, June 2023. Lausanne, Switzerland.
6. Antreas Dionysiou, Vassilis Vassiliades, and Elias Athanasopoulos. Exploring Model Inversion Attacks in the Black-box Setting. *In Proceedings of the 23rd Privacy Enhancing Technologies Symposium (PETS)*, June 2023. Lausanne, Switzerland.
7. Antreas Dionysiou and Elias Athanasopoulos. Lethe: Practical Data Breach Detection with Zero Persistent Secret State. *In Proceedings of the 7th IEEE European Symposium on Security and Privacy*, June, 2022. Genoa, Italy.
8. Antreas Dionysiou and Elias Athanasopoulos. Unicode Evil: Evading NLP Systems Using Visual Similarities of Text Characters. *In Proceedings of the 14th ACM Workshop on Artificial Intelligence and Security (AISEC)*, November, 2021. Virtual.

9. Orpheas van Rooij, Marcos Charalambous, Demetris Kaizer, Michalis Papaevripides, and Elias Athanasopoulos. webFuzz: Grey-box Fuzzing for Web Applications. *In Proceedings of the 26th European Symposium on Research in Computer Security (ESORICS)*, October 2021. Darmstadt, Germany (virtual).

10. George Christou, Giorgos Vasiliadis, Elias Athanasopoulos and Sotiris Ioannidis. Hard edges: Hardware-based Control-Flow Integrity for Embedded Devices. *In Proceedings of the 21st International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation (SAMOS)*, July 2021. Virtual.

11. Antreas Dionysiou, Vassilis Vassiliades, and Elias Athanasopoulos. HoneyGen: Generating Honeywords Using Representation Learning. *In Proceedings of the 16th ACM Asia Conference on Computer and Communications Security (AsiaCCS)*, June 2021. Hong Kong, China (virtual).

12. Michalis Papaevripides and Elias Athanasopoulos. Exploiting Mixed Binaries. *In Proceedings of the ACM Transactions on Privacy and Security (TOPS)*, January 2021. Article No.: 7, pp 1-29.

13. Christos Avraam and Elias Athanasopoulos. Evaluation of the Adoption and Privacy Risks of Google Prompts. *In Proceedings of the 1st Workshop on Security in Mobile Technologies (co-located with ACNS)*, October 2020. Rome, Italy (virtual).

14. Radhesh K. Konoth, Björn Fischer, Wan Fokkink, Elias Athanasopoulos, Kaveh Razavi, Herbert Bos. SecurePay: Strengthening Two-Factor Authentication for Arbitrary Transactions. *In Proceedings of the 5th IEEE European Symposium on Security and Privacy 2020*, September 2020. Genova, Italy (virtual).

15. Neophytos Christou and Elias Athanasopoulos. auth.js: Advanced Authentication for the Web. *In Proceedings of the 3rd International Workshop on Emerging Technologies for Authorization and Authentication (co-located with ESORICS)*, September 2020. Guildford, UK (virtual).

16. Antreas Dionysiou and Elias Athanasopoulos. SoK: Machine vs. Machine - A Systematic Classification of Automated Machine Learning-based CAPTCHA Solvers. *In Proceedings of the Computers & Security 97, 101947*, July 2020.

17. Constantinos Diomedous and Elias Athanasopoulos. Practical Password Hardening based on TLS. *In Proceedings of the 16th Conference on Detection of Intrusions and Malware and Vulnerability Assessment (DIMVA)*, June 2019. Gothenburg, Sweden.

18. Panayiotis Charalambous, Marios Karapetris, and Elias Athanasopoulos. KAuth: A Strong Single Sign-On Service based on PKI. *In Proceedings of the International Conference on Security and Cryptography (SECRYPT)*, July 2018. Porto, Portugal.

19. Andrei Tatar, Radhesh Krishnan, Elias Athanasopoulos, Cristiano Giuffrida, Herbert Bos, Kaveh Razavi. Throwhammer: Rowhammer Attacks over the Network and Defenses. *In Proceedings of the Annual Usenix Technical Conference (ATC)*, June 2018. Boston, MA, US.

20. Panagiotis Papadopoulos, Antonios A. Chariton, Elias Athanasopoulos, Evangelos P. Markatos. Where's Wally? How to Privately Discover your Friends on the Internet (short paper). *In Proceedings of the 13th ACM Asia Conference on Computer and Communications Security (AsiaCCS)*, June 2018. Songdo, Incheon, South Korea.

21. Giannis Tzagarakis, Panagiotis Papadopoulos, Antonios A. Chariton, Elias Athanasopoulos, Evangelos P. Markatos. 0pass: Zero-storage Password Management Based on Password Reminders. *In Proceedings of the 11th European Workshop on Systems Security (EuroSec)*, April 2018. Porto, Portugal.

22. Georgios Tsirantonakis, Panagiotis Ilia, Sotiris Ioannidis, Elias Athanasopoulos, and Michalis Polychronakis. A Large-scale Analysis of Content Modification by Open HTTP Proxies. *In Proceedings of the 24th Network and Distributed System Security Symposium (NDSS)*, February 2018. San Diego, CA, US.

23. Manolis Stamatogiannakis, Elias Athanasopoulos, Herbert Bos, and Paul Groth. PROV2R: Practical Provenance Analysis of Unstructured Processes. *In Proceedings of the ACM Transactions on Internet Technology*, August 2017.

24. Koen Koning, Xi Chen, Herbert Bos, Cristiano Giuffrida, and Elias Athanasopoulos. No Need to Hide: Protecting Safe Regions on Commodity Hardware. *In Proceedings of the European Conference on Computer Systems (EuroSys)*, April 2017. Belgrade, Serbia.

25. Andre Pawloski, Moritz Contag, Thorsten Holz, Victor van der Veen, Chris Ouwehand, Herbert Bos, Elias Athanasopoulos, and Cristiano Giuffrida. MARX: Uncovering Class Hierarchies in C++ Programs. *In Proceedings of the 24th Network and Distributed System Security Symposium (NDSS)*, February 2017. San Diego, CA, US.

26. Pawel Sarbinowski, Vasileios P. Kemerlis, Cristiano Giuffrida, and Elias Athanasopoulos. VTPin: Practical VTable Hijacking Protection for Binaries. *In Proceedings of the 32nd Annual Computer Security Applications Conference (ACSAC)*, December 2016. Los Angeles, CA, US.

27. Elias Athanasopoulos, Vasileios P. Kemerlis, Georgios Portokalidis, and Angelos D. Keromytis. NaClDroid: Native Code Isolation for Android Applications. *In Proceedings of the 21st European Symposium on Resaerch in Computer Security (ESORICS)*, September 2016. Heraklion, Crete, Greece.

28. 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 WISTP Conference in Information Security Theory and Practice (WISTP)*, September 2016. Heraklion, Crete, Greece.

29. Lazaros Koromilas, Giorgos Vasiliadis, Elias Athanasopoulos, and Sotiris Ioannidis. GRIM: Leveraging GPUs for Kernel Integrity Monitoring. *In Proceedings of the 19th International Symposium on Research in Attacks, Intrusions and Defenses (RAID)*, September 2016. France, Paris.

30. Aggelos Oikonomopoulos, Elias Athanasopoulos, Herbert Bos, and Cristiano Giuffrida. Poking Holes in Information Hiding. *In Proceedings of the 25th USENIX Security Symposium*, August 2016. Austin, TX, US.

31. Enes Göktaş, Robert Gawlik, Benjamin Kollenda, Elias Athanasopoulos, Georgios Portokalidis, Cristiano Giuffrida, and Herbert Bos. Undermining Information Hiding (And What to do About it). *In Proceedings of the 25th USENIX Security Symposium*, August 2016. Austin, TX, US.

32. Victor van der Veen, Enes Göktaş, Moritz Contag, Andre Pawloski, Xi Chen, Sanjay Rawat, Herbert Bos, Thorsten Holz, Elias Athanasopoulos, and Cristiano Giuffrida. A Tough call: Mitigating Advanced Code-Reuse Attacks At The Binary Level. *In Proceedings of the 37th Symposium on Security and Privacy (Oakland)*, May 2016. San Jose, CA, US.

33. Nick Christoulakis, George Christou, Elias Athanasopoulos, and Sotiris Ioannidis. HCFI: Hardware-enforced Control-Flow Integrity. *In Proceedings of the 6th ACM Conference on Data and Applications Security and Privacy (CODASPY)*, March 2016. New Orleans, LA, US.

34. Istvan Haller, Enes Göktaş, Elias Athanasopoulos, Georgios Portokalidis, and Herbert Bos. ShrinkWrap: VTable Protection without Loose Ends. *In Proceedings of the 31st Annual Computer Security Applications Conference (ACSAC)*, December 2015. Los Angeles, CA, US.

35. Panagiotis Ilia, Iasonas Polakis, Elias Athanasopoulos, Federico Maggi, Sotiris Ioannidis. Face/Off: Preventing Privacy Leakage From Photos in Social Networks. *In Proceedings of the 22nd ACM Conference on Computer and Communications Security (CCS)*, October 2015. Denver, CO, US.

36. Thanasis Petsas, Giorgos Tsirantonakis, Elias Athanasopoulos, and Sotiris Ioannidis. Two-factor Authentication: Is the World Ready? Quantifying 2FA Adoption. *In Proceedings of the 8th European Workshop on System Security (EUROSEC 2015)*, April 2015. Bordeaux, France.

37. Michalis Athanasakis, Elias Athanasopoulos, Michalis Polychronakis, Georgios Portokalidis, and Sotiris Ioannidis. The Devil is in the Constants: Bypassing Defenses in Browser JIT Engines. *In Proceedings of the 22nd Network and Distributed System Security Symposium (NDSS 2015)*, February 2015. San Diego, CA, US.

38. Giorgos Vasiliadis, Elias Athanasopoulos, Michalis Polychronakis, and Sotiris Ioannidis. PixelVault: Using GPUs for Securing Cryptographic Operations. *In Proceedings of the 21st ACM Conference on Computer and Communications Security (CCS)*, November 2014. Scottsdale, Arizona, US.

39. Dimitris Deyannis, Lazaros Koromilas, Giorgos Vasiliadis, Elias Athanasopoulos, and Sotiris Ioannidis. Flying Memcache: Lessons Learned from Different Acceleration Strategies. *In Proceedings of the International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD)*, October 2014. Paris, France.

40. Enes Göktaş, Elias Athanasopoulos, Michalis Polychronakis, Herbert Bos, and Georgios Portokalidis. Size Does Matter - Why Using Gadget-Chain Length to Prevent Code-reuse Attacks is Hard. *In Proceedings of the 23rd USENIX Security Symposium*, August 2014. San Diego, CA, US.

41. Martina Lindorfer, Stamatis Volanis, Alessandro Sisto, Matthias Neugschwandtner, Elias Athanasopoulos, Federico Maggi, Christian Platzer, Stefano Zanero, and Sotiris Ioannidis . AndRadar: Fast Discovery of Android Applications in Alternative Markets. *In Proceedings of the 11th Conference on Detection of Intrusions and Malware and Vulnerability Assessment (DIMVA)*, July 2014. Egham, UK.

42. Enes Göktaş, Elias Athanasopoulos, Herbert Bos, and Georgios Portokalidis. Out Of Control: Overcoming Control-Flow Integrity. *In Proceedings of the 35th IEEE Symposium on Security and Privacy (Oakland)*, May 2014. San Jose, CA, US.

43. Thanasis Petsas, Giannis Voyatzis, Elias Athanasopoulos, Michalis Polychronakis, and Sotiris Ioannidis. Rage Against the Virtual Machine: Hindering Dynamic Analysis of Android Malware. *In Proceedings of the 7th ACM European Workshop on System Security (EUROSEC)*, April 2014. Amsterdam, The Netherlands.

44. Iasonas Polakis, Stamatis Volanis, Elias Athanasopoulos, and Evangelos P. Markatos. The man who was there: Fortifying the Economy of Location-Based Services. *In Proceedings of the 29th Annual Computer Security Applications Conference (ACSAC)*, December 2013. New Orleans, LA, US.

45. Georgios Kontaxis, Elias Athanasopoulos, Georgios Portokalidis, and Angelos D. Keromytis. SAuth: Protecting User Accounts from Password Database Leaks. *In Proceedings of the 20th ACM Conference on Computer and Communications Security (CCS)*, November 2013. Berlin, Germany.

46. Georgios Chinis, Polyvios Pratikakis, Elias Athanasopoulos, and Sotiris Ioannidis. Practical Information Flow for Legacy Web Applications. *In Proceedings of the International Workshop on Implementation, Compilation, Optimization of Object-Oriented Languages, Programs and Systems (ICOOOLPS), co-located with ECOOP*, July 2013. Montpellier, France.

47. Vasileios P. Kemerlis, Georgios Portokalidis, Elias Athanasopoulos, and Angelos D. Keromytis. kGuard: Lightweight Kernel Protection. *In Proceedings of the USENIX ;login: Magazine, vol. 37, no. 6, pp. 7 - 14*, December 2012.

48. Eleni Gessiou, Stamatis Volanis, Elias Athanasopoulos, Evangelos P. Markatos, and Sotiris Ioannidis. Digging up Social Structures from Documents on the Web. *In Proceedings of the IEEE Global Communications Conference (GLOBECOM)*, December 2012. Anaheim, California, USA.

49. Angeliki Zavou, Elias Athanasopoulos, Georgios Portokalidis, and Angelos D. Keromytis. Exploiting Split Browsers for Efficiently Protecting User Data. *In Proceedings of the ACM Cloud Computing Security Workshop (CCSW)*, October 2012. Raleigh, NC, USA.

50. Elias Athanasopoulos, Vasileios P. Kemerlis, Michalis Polychronakis, and Evangelos P. Markatos. ARC: Protecting against HTTP Parameter Pollution Attacks Using Application Request Caches. *In Proceedings of the 10th International Conference on Applied Cryptography and Network Security (ACNS)*, June 2012. Singapore.

51. Eleni Gessiou, Vasilis Pappas, Elias Athanasopoulos, Angelos D. Keromytis, and Sotiris Ioannidis. Towards a Universal Data Provenance Framework using Dynamic Instrumentation. *In Proceedings of the 27th IFIP International Information Security and Privacy Conference (IFIP SEC)*, June 2012. Heraklion, Crete, Greece.

52. Andreas Sfakianakis, Elias Athanasopoulos, and Sotiris Ioannidis. CensMon: A Web Censorship Monitor. *In Proceedings of the 1st USENIX Workshop on Free and Open Communications on the Internet (FOCI), co-located with USENIX Security*, August 2011. San Francisco, CA, US.

53. Demetris Antoniades, Iasonas Polakis, Giorgos Kontaxis, Elias Athanasopoulos, Sotiris Ioannidis, Evangelos P. Markatos, and Thomas Karagiannis. we.b: The Web of Short URLs. *In Proceedings of the 20th International World Wide Web Conference (WWW)*, March 2011. Hyderabad, India.

54. Andreas Makridakis, Elias Athanasopoulos, Spyros Antonatos, Demetres Antoniades, Sotiris Ioannids, and Evangelos P. Markatos. Understanding The Behavior of Malicious Applications in Social Networks. *In Proceedings of the IEEE Network*, September-October 2010.

55. Elias Athanasopoulos, Antonis Krithinakis, and Evangelos P. Markatos. An Architecture For Enforcing JavaScript Randomization in Web2.0 Applications (short paper). *In Proceedings of the 13th Information Security Conference (ISC)*, October 2010. Boca Raton, Florida.

56. Alexandros Kapravelos, Iasonas Polakis, Elias Athanasopoulos, Sotiris Ioannidis, and Evangelos P. Markatos. D(e|i)aling with VoIP: Robust Prevention of DIAL Attacks. *In Proceedings of the 15th European Symposium on Research in Computer Security (ESORICS)*, September 2010. Athens, Greece.

57. Elias Athanasopoulos, Vasilis Pappas, Antonis Krithinakis, Spyros Ligouras, Evangelos P. Markatos, and Thomas Karagiannis. xJS: Practical XSS Prevention for Web Application Development. *In Proceedings of the 1st USENIX Conference on Web Application Development (WebApps)*, June 2010. Boston, Massachusetts.

58. Antonis Krithinakis, Elias Athanasopoulos, and Evangelos P. Markatos. Isolating JavaScript in Dynamic Code Environments. *In Proceedings of the 1st Workshop on Analysis and Programming Languages for Web Applications and Cloud Applications (APLWACA), co-located with PLDI*, June 2010. Toronto, Canada.

59. Elias Athanasopoulos, Antonis Krithinakis, and Evangelos P. Markatos. Hunting Cross-Site Scripting Attacks in the Network. *In Proceedings of the 4th Workshop on Web 2.0 Security & Privacy (W2SP)*, May 2010. Oakland, California.

60. Elias Athanasopoulos, Vasilis Pappas, and Evangelos P. Markatos. Code-Injection Attacks in Browsers Supporting Policies. *In Proceedings of the 3rd Workshop on Web 2.0 Security & Privacy (W2SP)*, May 2009. Oakland, California.

61. Elias Athanasopoulos, Antonis Krithinakis, Georgios Kopidakis, Graeme Maxwell, Alistair Poustie, Bob Manning, Rod Webb, Martin Koyabe, Carla Di Cairano-Gilfedder. WISDOM: Security-Aware Fibres. *In Proceedings of the 2nd ACM European Workshop on System Security (EUROSEC)*, March 2009. Nuremberg, Germany.

62. Antonis Krithinakis, Lubomir Stroetmann, Elias Athanasopoulos, Georgios Kopidakis, Evangelos P. Markatos. WSIM: A software platform to simulate all-optical security operations. *In Proceedings of the 2nd European Conference on Computer Network Defense (EC2ND)*, December 2008. Dublin, Ireland.

63. Antonis Theocharides, Demetres Antoniades, Michalis Polychronakis, Elias Athanasopoulos, and Evangelos P. Markatos. Topnet: A Network-aware top(1). *In Proceedings of the 22nd USENIX Large Installation Systems Administration (LISA) Conference*, November 2008. San Diego, California.

64. Elias Athanasopoulos, Andreas Makridakis, Spyros Antonatos, Demetres Antoniades, Sotiris Ioannidis, Kostas G. Anagnostakis, and Evangelos P. Markatos. Antisocial Networks: Turning a Social Network into a Botnet. *In Proceedings of the 11th Information Security Conference (ISC)*, September 2008. Taipei, Taiwan.

65. Vasilis Pappas, Elias Athanasopoulos, Sotiris Ioannidis, and Evangelos P. Markatos. Compromising Anonymity Using Packet Spinning. *In Proceedings of the 11th Information Security Conference (ISC)*, September 2008. Taipei, Taiwan.

66. Elias Athanasopoulos, Mema Roussopoulos, Kostas G. Anagnostakis, Evangelos P. Markatos. GAS: Overloading a File Sharing Network as an Anonymizing System. *In Proceedings of the 2nd International Workshop on Security (IWSEC)*, October 2007. Nara, Japan.

67. Nikos Nikiforakis, Andreas Makridakis, Elias Athanasopoulos, and Evangelos P. Markatos. Alice, what did you do last time? Fighting Phishing Using Past Activity Tests. *In Proceedings of the 3rd European Conference on Computer Network Defense (EC2ND)*, October 2007. Heraklion, Greece.

68. Elias Athanasopoulos and Spiros Antonatos . Enhanced CAPTCHAs: Using Animation To Tell Humans And Computers Apart. *In Proceedings of the 10th IFIP Open Conference on Communications and Multimedia Security*, October 2006. Heraklion, Crete.

69. Elias Athanasopoulos, Kostas G. Anagnostakis and Evangelos P. Markatos. Misusing Unstructured P2P Systems to Perform DoS Attacks: The Network that Never Forgets. *In Proceedings of the 4th International Conference on Applied Cryptography and Network Security (ACNS)*, June 2006. Singapore.

70. Charis Papadakis, Paraskevi Fragopoulou, Elias Athanasopoulos, Marios Dikaiakos, Alexandros Labrinidis, Evangelos Markatos. A Feedback-based Approach to Reduce Duplicate Messages in Unstructured Peer-to-Peer Networks. *In Proceedings of the CoreGRID Integration Workshop*, November 2005. Pisa, Italy.