

Gianluca Stringhini

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🌐 <http://www0.cs.ucl.ac.uk/staff/G.Stringhini>

*Senior Lecturer (Associate Professor) in the
Departments of Computer Science & Security and Crime Science
at University College London*

Positions

- 10/2017-
Present **Senior Lecturer (Associate Professor)**, *University College London*, London, United Kingdom.
Joint appointment in the Departments of Computer Science and Security and Crime Science
- 9/2014-
9/2017 **Lecturer (Assistant Professor)**, *University College London*, London, United Kingdom.
Joint appointment in the Departments of Computer Science and Security and Crime Science
- 6/2016-
9/2016 **Visiting Researcher**, *Telefonica Investigacion y Desarrollo*, Barcelona, Spain.
- 9/2009-
6/2014 **Research Assistant**, *UC Santa Barbara*, Santa Barbara, CA.
- 11/2013-
6/2014 **Research Contractor**, *Yahoo! Inc.*, Sunnyvale, CA.
- 2/2013-
5/2013 **Research Intern**, *Symantec Corp.*, San Francisco, CA.
- 9/2012-
12/2012 **Visiting Researcher**, *IBM T.J. Watson Research Center*, Yorktown Heights, NY.
- 8/2008-
11/2008 **Visiting Researcher**, *UC Santa Barbara*, Santa Barbara, CA.

Education

- 2009-2014 **PhD in Computer Science**, *University of California Santa Barbara*, Santa Barbara, CA.
Dissertation title: "Stepping Up the Cybersecurity Game: Protecting Online Services from Malicious Activity"
- 2014 **MSc in Computer Science**, *University of California Santa Barbara*, Santa Barbara, CA.
- 2006-2009 **Laurea Specialistica in Computer Engineering (MSc equivalent)**, *Università degli Studi di Genova*, Genova, Italy.
Thesis title: "A Distributed System for Intrusion Prevention"
- 2003-2006 **Laurea Triennale in Computer Engineering (BSc equivalent)**, *Università degli Studi di Genova*, Genova, Italy.
Thesis title: "Computer Security in a Linux System" (in Italian)

Funding

- 2018 **GCHQ Small Grant**, *Understanding the Benefits and Drawbacks of Capture the Flag (CTF) exercises in an organisational context, (PI, £29,988).*

- 2017 **EPSRC-Funded PETRAS Hub Grant**, *Botthings: Modelling The Potential Impact Of IoT Boosted Botnet Attacks*, (PI, £118,525).
- 2017 **EPSRC Standard Research**, *EP/P011896/1 — ACCEPT: Addressing Cybersecurity and Cybercrime via a co-Evolutionary aPproach to reducing human-relaTed risks*, (Co-I, £1,101,225).
- 2016 **EPSRC-funded BEAMS Future Leaders in Engineering and Physical Sciences**, *Measuring and countering malware delivery networks*, (PI, £29,054).
- 2016 **EPSRC Standard Research**, *EP/N028112/1 — DAPM: Detecting and Preventing Mass-Marketing Fraud (MMF)*, (Co-PI, £1,056,471 — UCL share £246,742).
- 2016 **GCHQ Small Grant**, *Developing a Malware Analysis Infrastructure at UCL* (PI, £14,244.84).
- 2015 **Google Research Award**, *Understanding the Use of Stolen Accounts by Cybercriminals* (PI, \$66,500).
- 2015 **Horizon 2020 MSCA Rise Scheme**, *H2020-MSCA-RISE ENCASE — EnhaNcing seCurity And privacy in the Social wEb: a user centered approach for the protection of minors* (Co-I, €2,160,000 — UCL share €324,000).
- 2015 **EPSRC First Grant Scheme**, *EP/N008448/1 — Inferring the Purpose of Network Activities* (PI, £122,803).

Awards

- 2017 **Second Place**, *CSAW Europe Best Applied Research Award*.
Award for the paper “MaMaDroid: Detecting Android Malware by Building Markov Chains of Behavioral Models”
- 2017 **Finalist**, *CSAW Europe Best Applied Research Award*.
Nomination for the paper “What Happens After You Are Pwnd: Understanding The Use of Leaked Webmail Credentials In The Wild”
- 2017 **Finalist**, *CSAW North America Best Applied Research Award*.
Nomination for the paper “PayBreak: Defense against Cryptographic Ransomware”
- 2017 **Best Paper Nominee**, *International Conference on Web and Social Media (ICWSM)*.
Nomination for the paper “Kek, Cucks, and God Emperor Trump: A Measurement Study of 4chan’s Politically Incorrect Forum and Its Effects on the Web”
- 2017 **Best Paper Award**, *APWG eCrime Symposium*.
Award for the paper “All Your Cards Are Belong To Us: Understanding Online Carding Forums”
- 2017 **UCLU Student Choice Teaching Awards (Nominee)**, *University College London Union*.
- 2016 **Future Leaders in Engineering and Physical Sciences**, *University College London*.
- 2016 **UCLU Student Choice Teaching Awards (Nominee)**, *University College London Union*.
- 2015 **Google Research Award**, *Google Inc.*.
- 2014 **Outstanding Dissertation Award**, *Department of Computer Science, UC Santa Barbara*.
- 2012 **Symantec Research Labs Graduate Fellowship**, *Symantec Corp*.
- 2010 **Best Student Paper Award**, *Annual Computer Security Applications Conference (ACSAC)*.
Award for the paper “Detecting Spammers on Social Networks”
- 2009 **Summa cum laude honors**, *Università degli Studi di Genova*.

Publications

- (58) A. Founta, C. Djouvas, D. Chatzakou, I. Leontiadis, J. Blackburn, G. Stringhini, A. Vakali, M. Sirivianos, N. Kourtellis. Large Scale Crowdsourcing and Characterization of Twitter Abusive Behavior. In *AAAI Conference on Web and Social Media (ICWSM)*, 2018.
- (57) S. Zannettou, J. Blackburn, E. De Cristofaro, M. Sirivianos, G. Stringhini. Understanding Web Archiving Services and Their (Mis)Use on Social Media. In *AAAI Conference on Web and Social Media (ICWSM)*, 2018.
- (56) D. Ibosiola, B. Steer, A. Garcia-Recuero, G. Stringhini, S. Uhlig, G. Tyson. Movie Pirates of the Caribbean: Exploring Illegal Streaming Cyberlockers. In *AAAI Conference on Web and Social Media (ICWSM)*, 2018.
- (55) B. Perez, M. Musolesi, G. Stringhini. You are your Metadata: Identification and Obfuscation of Social Media Users using Metadata Information. In *AAAI Conference on Web and Social Media (ICWSM)*, 2018.
- (54) M. Edwards, G. Suarez-Tangil, C. Peersman, G. Stringhini, A. Rashid, M. Whitty. The Geography of Online Dating Fraud. In *Workshop on Technology and Consumer Protection (ConPro)*, 2018.
- (53) E. Bernard-Jones, J. Onalapo, G. Stringhini. BABELTOWER: How Language Affects Criminal Activity in Stolen Webmail Accounts. In *Workshop on Computational Methods in CyberSafety, Online Harassment and Misinformation (CYBERSAFETY)*, 2018.
- (52) S. Zannettou, B. Bradlyn, E. De Cristofaro, M. Sirivianos, G. Stringhini, H. Kwak, J. Blackburn. What is Gab? A Bastion of Free Speech or an Alt-Right Echo Chamber?. In *Workshop on Computational Methods in CyberSafety, Online Harassment and Misinformation (CYBERSAFETY)*, 2018.
- (51) A. Ioannou, J. Blackburn, G. Stringhini, E. De Cristofaro, N. Kourtellis, M. Sirivianos. From risk factors to detection and intervention: a practical proposal for future work on cyberbullying. In *Behaviour and Information Technology*, 2018.
- (50) P. Andriotis, M.A. Sasse, G. Stringhini. Studying Users' Adaptation to Android's Run-time Fine-grained Access Control System. In *Journal of Information Security and Applications*, 2018.
- (49) I. Becker, A. Hutchings, R. Abu-Salma, R. Anderson, N. Bohm, S. Murdoch, M.A. Sasse, G. Stringhini. International Comparison of Bank Fraud Reimbursement: Customer Perceptions and Contractual Terms. In *Journal of Cybersecurity*, 2018.
- (48) G. Stringhini, Y. Shen, Y. Han, X. Zhang. Marmite: Spreading Malicious File Reputation Through Download Graphs. In *Proceedings of the Annual Computer Security Applications Conference (ACSAC)*, 2017.
- (47) M. Weissbacher, E. Mariconti, G. Suarez-Tangil, W. Robertson, E. Kirda. Ex-Ray: Detection of History-Leaking Browser Extensions. In *Proceedings of the Annual Computer Security Applications Conference (ACSAC)*, 2017.
- (46) S. Nilizadeh, F. Labrèche, A. Sadighian, A. Zand, J. Fernandez, G. Stringhini, G. Vigna, C. Kruegel. POISED: Spotting Twitter Spam Off the Beaten Paths. In *Proceedings of the ACM SIGSAC Conference on Computer and Communications Security (CCS)*, 2017.

- (45) S. Zannettou, T. Caulfield, E. De Cristofaro, N. Kourtellis, I. Leontiadis, M. Sirivianos, G. Stringhini, and J. Blackburn. The Web Centipede: Understanding How Web Communities Influence Each Other Through the Lens of Mainstream and Alternative News Sources. In *Proceedings of the ACM SIGCOMM Internet Measurement Conference (IMC)*, 2017.
- (44) E. Mariconti, J. Onaolapo, G. Ross, and G. Stringhini. The Cause of All Evils: Assessing Causality Between User Actions and Malware Activity. In *Proceedings of the USENIX Workshop on Cyber Security Experimentation and Test (CSET)*, 2017.
- (43) J. Serrà, I. Leontiadis, D. Spathis, G. Stringhini, J. Blackburn, and A. Vakali. Class-based Prediction Errors to Categorize Text with Out-of-vocabulary Words. In *Proceedings of the Workshop on Abusive Language (ALW)*, 2017.
- (42) D. Chatzakou, N. Kourtellis, J. Blackburn, E. De Cristofaro, G. Stringhini, and A. Vakali. Mean Birds: Detecting Aggression and Bullying on Twitter. In *Proceedings of the International ACM Conference on Web Science (WebSci)*, 2017.
- (41) D. Chatzakou, N. Kourtellis, J. Blackburn, E. De Cristofaro, G. Stringhini, and A. Vakali. Hate is not binary: Studying abusive behavior of #GamerGate on Twitter. In *Proceedings of the ACM Conference on Hypertext and Social Media (HyperText)*, 2017.
- (40) A. Haslebacher, J. Onaolapo, G. Stringhini. All Your Cards Are Belong To Us: Understanding Online Carding Forums. In *Proceedings of the APWG eCrime Symposium*, 2017.
- (39) G. Hine, J. Onaolapo, E. De Cristofaro, N. Kourtellis, I. Leontiadis, R. Samaras, G. Stringhini, J. Blackburn. Kek, Cucks, and Goad Emperor Trump: A Measurement Study of 4chan's Politically Incorrect Forum and its Effect on the Web. In *Proceedings of the International Conference on Web and Social Media (ICWSM)*, 2017.
- (38) P. Andriotis, S. Li, T. Spyridopoulos, G. Stringhini. A comparative study of Android users' privacy preferences under the runtime permission model. In *Proceedings of the International Conference on Human Aspects of Information Security, Privacy and Trust*, 2017.
- (37) E. Kolodenker, W. Koch, G. Stringhini, M. Egele. PayBreak: Defense against cryptographic ransomware. In *Proceedings of the ACM Asia Conference on Computer and Communications Security (ASIACCS)*, 2017.
- (36) G. Mba, J. Onaolapo, G. Stringhini, L. Cavallaro. Flipping 419 Cybercrime Scams: Targeting the Weak and the Vulnerable. In *Companion Proceedings of the International World Wide Web Conference (WWW), International Workshop on Computational Methods for CyberSafety (CYBERSAFETY)*, 2017.
- (35) D. Chatzakou, N. Kourtellis, J. Blackburn, E. De Cristofaro, G. Stringhini, and A. Vakali. Measuring #GamerGate: A Tale of Hate, Sexism, and Bullying. In *Companion Proceedings of the International World Wide Web Conference (WWW), International Workshop on Computational Methods for CyberSafety (CYBERSAFETY)*, 2017.
- (34) M. Whitty, M. Edwards, M. Levi, C. Peersman, A. Rashid, A. Sasse, T. Sorell, G. Stringhini. Ethical and Social Challenges with developing Automated Methods to Detect and Warn potential victims of Mass-marketing Fraud (MMF). In *Companion Proceedings of the International World Wide Web Conference (WWW), International Workshop on Computational Methods for CyberSafety (CYBERSAFETY)*, 2017.

- (33) S. Sajadmanesh, S. Jafarzadeh, S.A. Ossia, H.R. Rabiee, H. Haddadi, Y. Mejova, M. Musolesi, E. De Cristofaro, G. Stringhini. Kissing Cuisines: Exploring Worldwide Culinary Habits on the Web. In *Proceedings of the International World Wide Web Conference (WWW), Web Science Track*, 2017.
- (32) E. Mariconti, J. Onaolapo, S. Ahmad, N. Nikiforou, M. Egele, N. Nikiforakis, G. Stringhini. What's in a Name? Understanding Profile Name Reuse on Twitter. In *Proceedings of the International World Wide Web Conference (WWW)*, 2017.
- (31) E. Mariconti, L. Onwuzurike, P. Andriotis, E. De Cristofaro, G. Ross, G. Stringhini. MaMaDroid: Detecting Android Malware by Building Markov Chains of Behavioral Models. In *Proceedings of the ISOC Network and Distributed Systems Symposium (NDSS)*, 2017.
- (30) P. Andriotis, M.A. Sasse, G. Stringhini. Permissions Snapshots: Assessing Users' Adaptation to the Android Runtime Permission Model. In *Proceedings of the IEEE International Workshop on Information Forensics and Security (WIFS)*, 2016.
- (29) J. Onaolapo, E. Mariconti, G. Stringhini. What Happens After You Are Pwnd: Understanding The Use Of Stolen Webmail Credentials In The Wild. In *Proceedings of the Internet Measurement Conference (IMC)*, 2016.
- (28) E. Mariconti, J. Onaolapo, G. Ross, G. Stringhini. What's your major threat? On the differences between the network behavior of targeted and commodity malware. In *Proceedings of the International Workshop on Malware Analysis (WMA)*, 2016.
- (27) M. Lazarov, J. Onaolapo, G. Stringhini. Honey Sheets: What Happens to Leaked Google Spreadsheets? In *Proceedings of the USENIX Workshop on Cyber Security Experimentation and Test (CSET)*, 2016.
- (26) I. Becker, A. Hutchings, R. Abu Salma, S. J. Murdoch, R. Anderson, N. Bohm, M. A. Sasse, G. Stringhini. International Comparison of Bank Fraud Reimbursement: Customer Perceptions and Contractual Terms. In *Proceedings of the Workshop on the Economics of Information Security (WEIS)*, 2016.
- (25) E. Mariconti, J. Onaolapo, S. Ahmad, N. Nikiforou, M. Egele, N. Nikiforakis, G. Stringhini. Why Allowing Profile Name Reuse Is A Bad Idea. In *Proceedings of the European Workshop on System Security (EUROSEC)*, 2016.
- (24) S. J. Murdoch, I. Becker, R. Abu Salma, R. Anderson, N. Bohm, A. Hutchings, M. A. Sasse, G. Stringhini. Are Payment Card Contracts Unfair? In *Proceedings of Financial Cryptography and Data Security*, 2016.
- (23) M. Egele, G. Stringhini, C. Kruegel, G. Vigna. Towards Detecting Compromised Accounts on Social Networks. In *IEEE Transactions on Dependable and Secure Computing (TDSC)*, 2016.
- (22) S. Hao, K. Borgolte, N. Nikiforakis, G. Stringhini, M. Egele, M. Eubanks, B. Krebs, G. Vigna. Drops for Stuff: An Analysis of Reshipping Mule Scams. In *Proceedings of the ACM Symposium on Computer and Communication Security (CCS)*, 2015.
- (21) G. Stringhini, P. Mourlanne, G. Jacob, M. Egele, C. Kruegel, G. Vigna. EvilCohort: Detecting Communities of Malicious Accounts on Online Services. In *Proceedings of the USENIX Security Symposium*, 2015.

- (20) G. Stringhini, O. Thonnard. That Ain't You: Blocking Spearphishing Through Behavioral Modelling. In *Proceedings of the Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA)*, 2015.
- (19) J. Huang, G. Stringhini, P. Yong. Quit Playing Games With My Heart: Understanding Online Dating Scams. In *Proceedings of the Conference on Detection of Intrusions and Malware & Vulnerability Assessment (DIMVA)*, 2015.
- (18) M.B. Line, A. Zand, G. Stringhini, R. Kemmerer. Targeted Attacks against Industrial Control Systems: Is the Power Industry Prepared?. In *Proceedings of the Smart Energy Grid Security Workshop (SEGS)*, 2014.
- (17) A. Zarras, A. Kapravelos, G. Stringhini, T. Holz, C. Kruegel, G. Vigna. The Dark Alleys of Madison Avenue: Understanding Malicious Advertisements. In *Proceedings of the Internet Measurement Conference (IMC)*, 2014.
- (16) J. Iedemska, G. Stringhini, R. Kemmerer, C. Kruegel, and G. Vigna. The Tricks of the Trade: What Makes Spam Campaigns Successful?. In *Proceedings of the International Workshop on Cyber Crime (IWCC)*, 2014.
- (15) G. Stringhini, O. Hohlfeld, C. Kruegel, and G. Vigna. The Harvester, the Botmaster, and the Spammer: On the Relations Between the Different Actors in the Spam Landscape. In *Proceedings of the ACM Symposium on Information, Computer and Communications Security (ASIACCS)*, 2014.
- (14) N. Nikiforakis, F. Maggi, G. Stringhini, M. Z. Rafique, W. Joosen, C. Kruegel, F. Piessens, G. Vigna, and S. Zanero. Stranger Danger: Exploring the Ecosystem of Ad-based URL Shortening Services. In *Proceedings of the International World Wide Web Conference (WWW)*, 2014.
- (13) G. Stringhini, C. Kruegel, and G. Vigna. Shady Paths: Leveraging Surfing Crowds to Detect Malicious Web Pages. In *Proceedings of the ACM Symposium on Computer and Communication Security (CCS)*, 2013.
- (12) G. Stringhini, G. Wang, M. Egele, C. Kruegel, G. Vigna, H. Zheng, and B. Y. Zhao. Follow the Green: Growth and Dynamics in Twitter Follower Markets. In *Proceedings of the Internet Measurement Conference (IMC)*, 2013.
- (11) F. Maggi, A. Frossi, G. Stringhini, B. Stone-Gross, C. Kruegel, G. Vigna, and S. Zanero. Two Years of Short URLs Internet Measurement: Security Threats and Countermeasures. In *Proceedings of the International World Wide Web Conference (WWW)*, 2013.
- (10) M. Egele, G. Stringhini, C. Kruegel, and G. Vigna. Compa: Detecting Compromised Accounts on Social Networks. In *Proceedings of the ISOC Network and Distributed Systems Symposium (NDSS)*, 2013.
- (9) G. Stringhini, M. Egele, C. Kruegel, and G. Vigna. Poultry Markets: On the Underground Economy of Twitter Followers. In *Proceedings of the ACM SIGCOMM Workshop on Online Social Networks (WOSN)*, 2012.
- (8) G. Stringhini, M. Egele, C. Kruegel, and G. Vigna. Poultry Markets: On the Underground Economy of Twitter Followers. In *ACM SIGCOMM Computer Communication Review - Volume 42 Issue 4*, 2012.

- (7) G. Stringhini, M. Egele, A. Zarras, T. Holz, C. Kruegel, and G. Vigna. B@bel: Leveraging Email Delivery for Spam Mitigation. In *Proceedings of the USENIX Security Symposium*, 2012.
- (6) A. Doupè, M. Egele, B. Caillat, G. Stringhini, G. Yakin, A. Zand, L. Cavedon, and G. Vigna. Hit 'em Where it Hurts: A Live Security Exercise on Cyber Situational Awareness. In *Proceedings of the Annual Computer Security Applications Conference (ACSAC)*, 2011.
- (5) G. Stringhini, T. Holz, B. Stone-Gross, C. Kruegel, and G. Vigna. BotMagnifier: Locating Spambots on the Internet. In *Proceedings of the USENIX Security Symposium*, 2011.
- (4) B. Stone-Gross, T. Holz, G. Stringhini, and G. Vigna. The Underground Economy of Spam: A Botmaster's Perspective of Coordinating Large-Scale Spam Campaigns. In *Proceedings of the USENIX Workshop on Large-Scale Exploits and Emerging Threats (LEET)*, 2011.
- (3) G. Stringhini, C. Kruegel, and G. Vigna. Detecting Spammers on Social Networks. In *Proceedings of the Annual Computer Security Applications Conference (ACSAC)*, 2010.
- (2) G. Stringhini, M. Migliardi. Travelling Information For Intrusion Prevention Systems. In *Security & Management*, 2010.
- (1) G. Stringhini, M. Migliardi. A distributed model for intrusion detection and prevention. In *Proceedings of the WWW/Internet International Conference*, 2009.

Patents

- 2017 **Systems and Methods for Detecting Compromised Messaging Accounts**, U.S. Patent and Trademark Office — Publication Number US9756007 B1.

Conference and Track Chair Service

- 2018 **Program Co-chair**, APWG eCrime Symposium.
- 2016 **Program Co-chair**, International World Wide Web Conference (WWW), Poster Track.
- 2013 **Program Committee Chair**, Graduate Student Workshop on Computing (GSWC).
- 2012 **Program Committee Vice-chair**, Graduate Student Workshop on Computing (GSWC).

Program Committee Service

- 2018, 2019 **Program Committee Member**, IEEE Symposium on Security and Privacy (Oakland).
- 2018 **Program Committee Member**, ACM SIGCOMM Internet Measurement Conference (IMC).
- 2015, 2016, 2017, 2018 **Program Committee Member**, ACM Conference on Computer and Communications Security (CCS).
- 2016, 2017, 2018 **Program Committee Member**, USENIX Security Symposium.
- 2015, 2018 **Program Committee Member**, Network and Distributed System Security Symposium (NDSS).
- 2015, 2016, 2017, 2018 **Program Committee Member**, Annual Computer Security Applications Conference (ACSAC).

- 2016, 2017, 2018 **Program Committee Member**, *International World Wide Web Conference (WWW), Security and Privacy Track.*
- 2015, 2016, 2017, 2018 **Program Committee Member**, *International Conference on Detection of Intrusions and Malware and Vulnerability Assessment (DIMVA).*
- 2015, 2016, 2017, 2018 **Program Committee Member**, *European Workshop on System Security (EuroSec).*
- 2017, 2018 **Program Committee Member**, *Workshop on Innovations in Mobile Privacy and Security (IMPS) .*
- 2017,2018 **Program Committee Member**, *Workshop on Targeted Attacks.*
- 2017, 2018 **Program Committee Member**, *CyberSafety Workshop.*
- 2016, 2017, 2018 **Program Committee Member**, *USENIX Workshop on Cyber Security Experimentation and Test (CSET).*
- 2016, 2017 **Program Committee Member**, *eCrime Symposium.*
- 2017 **Program Committee Member**, *ACM Asia Conference on Computer and Communications Security (ASIACCS).*
- 2016 **Program Committee Member**, *International Symposium on Engineering Secure Software and Systems (ESSoS).*
- 2015 **Program Committee Member**, *ACM Cloud Computing Security Workshop (CCSW).*
- 2015 **Program Committee Member**, *International World Wide Web Conference (WWW), Demo Track.*
- 2015 **Program Committee Member**, *International Conference on Availability, Reliability and Security (ARES).*
- 2015 **Program Committee Member**, *IEEE International Conference on Distributed Computing Systems (ICDCS), Security and Privacy Track.*
- 2015 **Program Committee Member**, *OWASP AppSecEU.*
- 2014 **Program Committee Member**, *IEEE International Symposium on Cyberspace Safety and Security (CSS).*
- 2014 **Program Committee Member**, *Annual Workshop on Simplifying Complex Networks for Practitioners (SIMPLEX).*
- 2010, 2011 **Program Committee Member**, *Graduate Student Workshop on Computing (GSWC).*

Journal Reviews

- 2017 **Reviewer**, *ACM Transactions on Internet Technology.*
- 2016 **Reviewer**, *Journal of Information Security and Applications.*
- 2015 **Reviewer**, *IEEE Transactions on Control of Network Systems.*
- 2015 **Reviewer**, *ACM Computing Surveys.*
- 2014-2015 **Reviewer**, *IEEE Security & Privacy Magazine.*
- 2012-2015 **Reviewer**, *IEEE Transactions on Dependable and Secure Computing (TDSC).*
- 2014 **Reviewer**, *Network Science.*
- 2012 **Reviewer**, *Journal of Computer Security.*
- 2012 **Reviewer**, *Elsevier Journal on Computer Networks (COMNET).*

Teaching

- 2015-2018 **UCL Computer Science Hacking Seminar**, *University College London*, London, UK.
- 2016-2018 **SECUGC62: Cybercrime**, *University College London*, London, UK.
- 2015-2018 **COMPGA02: Computer Security 2**, *University College London*, London, UK.
Responsible for 50% of the module
- 2017 **Malware**, *University of Oxford*, Oxford, UK.
Lecturer for a week-long course in the Software Engineering Programme (SEP)
- 2015-2017 **Malware**, *University of Oxford*, Oxford, UK.
Lecturer for a week-long course in the Centre for Doctoral Training in Cyber Security
- 2017 **Usable Security and Privacy in Online Social Networks Summer School**, *Cyprus University of Technology*, Cyprus, CY.
Lecture
- 2015-2018 **SECUGC50: Introduction to Cybersecurity**, *University College London*, London, UK.
Guest Lectures
- 2016-2017 **COMPGA16: Malware**, *University College London*, London, UK.
Guest Lecture
- 2010-2013 **International Capture the Flag (iCTF) — Organizer**, *UC Santa Barbara*, Santa Barbara, CA.
Participated in the organization of the world's largest educational hacking competition

Mentorship and Supervision

Postdoctoral Researchers

- 2018- **Srdjan Matic**, *Research Associate — BotThings: Modelling The Potential Impact Of IoT Boosted Botnet Attacks*.
- 2017-2018 **Guillermo Suárez De Tangil**, *Research Associate — DAPM: Detecting and Preventing Mass-Marketing Fraud (MMF)*, Now Faculty at King's College London.
- 2016 **Panagiotis Andritiotis**, *Research Associate — Inferring the Purpose of Network Activities*, now Faculty at the University of the West of England.

PhD Students

- 2016- **Dario Adriano Bermudez Villalva**, *PhD in Security Science — First Supervisor*.
- 2016- **Cerys Bradley**, *PhD in Security Science — First Supervisor*.
- 2016- **Colin Ife**, *PhD in Security Science — First Supervisor*.
- 2016- **Beverley Nutter**, *PhD in Security Science — First Supervisor*.
- 2015- **Enrico Mariconti**, *PhD in Security Science — First Supervisor*.
- 2015- **Beatrice Perez**, *PhD in Security Science — Second Supervisor to Mirco Musolesi*.
- 2014- **Jeremiah Onalapo**, *PhD in Computer Science — First Supervisor*.
- 2014- **Lucky Onwuzurike**, *PhD in Computer Science — Second Supervisor to Emiliano De Cristofaro*.

MRes Students

- 2017-2018 **Octavian Bordeanu**.
- 2015-2016 **Dario Adriano Bermudez Villalva, Colin Ife, Beverley Nutter**.
- 2014-2015 **Sarah Azouvi, Enrico Mariconti, Beatrice Perez**.

MSc Students

- 2016-2017 **Giulia Della Rossa, Anastasia Grigoropolou, Spyridoula Karapanagioti, Andria Kyriacou, Qiaoyu Luo, Christopher Ojinaka, Adrian Rothan Ortiz, Tom Sigler.**
- 2015-2016 **Mahmoud Al-ghreify, Antonios Athanasopoulos, Emeric Bernard-Jones, Alex Kornitzer, Natdanai Saitong-in, Elodie Thomann, Matthew Wixey.**
- 2014-2015 **Aristeidis Athanasiou, Khalid Binsaeed, Caitlin Egen, Andreas Haslebacher, Katarzyna Klosieska, Nicolas Nikiforou, Bethany Simpson.**

MEng/BSc Students

- 2017-2018 **Amir Dhada.**
- 2015-2016 **Martin Lazarov.**
- 2014-2015 **Giulia Deiana, Genki Saito, Cheung Tin Timothy Szeto.**

Visiting Students

- 2017 **Omid Mirzaei**, *Visiting PhD Student from University Carlos III de Madrid.*
- 2017 **Francois Labrèche**, *Visiting PhD Student from Ecole Polytechnique de Montreal.*
- 2015-2016 **Beata Slomka**, *Visiting PhD Student from University of Warsaw.*

PhD examinations

- 2017 **External Examiner — Confirmation VIVA**, *Rodrigo Carvalho*, University of Oxford.
- 2016 **Internal Examiner — PhD VIVA**, *Marjan Falahrastegar*, Queen Mary University of London.
- 2016 **External Examiner — Transfer of Status VIVA**, *Mariam Nouh*, University of Oxford.
- 2016 **Internal Examiner — PhD VIVA**, *Kimberly Tam*, Royal Holloway, University of London.
- 2016 **External Examiner — Transfer of Status VIVA**, *Rodrigo Carvalho*, University of Oxford.
- 2015 **Internal Examiner — Transfer of Status VIVA**, *Ingolf Becker*, University College London.

Panel Memberships

- 07/03/2018 **Witness to the Select Committee on International Relations of the House of Lords**, *House of Parliament*, London, UK, Gave evidence on the threats posed by state and non-state actors to the UK.
- 21/11/2017 **Cybersecurity Summit**, *Cybertonica inc.*, London, UK.
- 23/02/2017 **Why Should Businesses Care About Cyber Warfare?**, *SC Congress*, London, UK.

Invited Talks

- 22/01/2018 **The Influence of Fringe Communities in the Spread of Fake News**, *WebRoots Democracy Workshop*, London, United Kingdom.
- 30/11/2017 **Interdisciplinary Cybercrime Research: Where Are We?**, *RISCS Cybercrime Workshop*, London, United Kingdom.
- 16/11/2017 **Understanding and Mitigating Online Abuse**, *Exeter University*, Exeter, United Kingdom.
- 13/09/2017 **The Hacker, the Swindler, and the Troll: Understanding and Measuring Abuse on Online Services**, *CISPA, University of Saarland*, Saarbrücken, Germany.
- 11/09/2017 **Cyberfraud and Scams**, *Dagstuhl Seminar*, Schloss Dagstuhl, Germany.

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