
Panagiotis Andriotis

PhD, FHEA, GCFE, GASF

*Senior Lecturer
in Computer Forensics and Security*

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Education

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| 01/2016 | PhD in Computer Science , <i>University of Bristol, U.K.</i>
Dissertation: "Towards Task Automation for Mobile Device Forensics" |
| 11/2011 | MSc (Distinction) in Computer Science , <i>University of Bristol</i> ,
Thesis: "Steganography Detection with Benford" |
| 06/2006 | BSc in Mathematics , <i>University of Athens, Greece.</i> |

Professional Qualifications

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| 04/2021 | GIAC - GASF , <i>Global Information Assurance Certification - Advanced Smartphone Forensics (ANSI ISO/IEC 17024:2012)</i> |
| 02/2020 | GIAC - GCFE , <i>Global Information Assurance Certification - Certified Forensic Examiner (ANSI ISO/IEC 17024:2012)</i> |
| 02/2018 | Postgraduate Certificate (with Distinction) in Teaching and Learning in Higher Education ,
<i>University of the West of England, Bristol, U.K.</i> |

Certifications

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| 01/2021 | Microsoft , Microsoft Certified: Azure Fundamentals |
| 08/2020 | OpenText Practitioner , OpenText Practitioner - Building an Investigation with EnCase 20 |

Professional Memberships - Fellowships

Higher Education Academy, Fellow
SPRITE Network Plus (SPRITE+), Expert Fellow
IFIP TC 11 Working Group 12, Member
IEEE, ACM, Internet Society, Member
JSPS Alumni Association (UK, RoI), The IoT Council, Member

Leadership Roles

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| 09/2019 - Present | Programme Leader , BSc(Hons) Cyber Security and Digital Forensics,
<i>University of the West of England (UWE Bristol), U.K.</i> |
| 09/2017 - Present | Module Leader , UFCFP4-30-1 "Computer Crime and Digital Evidence", <i>UWE Bristol, U.K.</i> |

Academic Experience

- 09/2016 - Present **Instructor**, UFCFXN-15-M “Cyber Security Futures Emerging Trends and Challenges” (PG), UBLLY7-60-M “Dissertation” (PG), UFCFP4-30-1 “Computer Crime and Digital Evidence”, UFCFC5-15-3 “Forensic computing practice”, UFCFJ6-30-2 “Security and forensic tools”, UFCFM5-30-3 “Information Systems Dissertation” (UG), UFCFXK-30-3 “Digital systems project” (UG), UFCFE6-15-3 “Professional experience” (UG), UFCFRB-15-3 “Security management in practice” (UG), UFCFW5-30-2 “Mobile and Embedded Devices”, UFCFTK-30-1 “Introduction to Databases”, UFCFB3-30-1 “Web programming”, “Espresso Programming” (UG). *UWE Bristol, U.K.*
- 09/2018 - 08/2019 **Academic Personal Tutor**, BSc(Hons) Forensic Computing and Security (1st year UG students). *UWE Bristol, U.K.*
- 10/2012 – 01/2015 **Teaching Associate**, COMSM1500 “Systems Security”, (UG, PG), COMSM1201 – COMSM1211 “Programming in C”, (PG, PG Advanced Courses), COMS10002 “Programming and Algorithms I”, (UG), COMS20700 “Databases”, (UG, PG), *University of Bristol, U.K.*

Funding

- 07/2020 **Japan Society for the Promotion of Science**-日本学術振興会, *JSPS Postdoctoral Fellowship for Research in Japan*, JSPS/OF199, “Malicious entity detection using fine-grained DNA-inspired behavioural modelling”. Funding: ¥4,75M (approx. £35,000) (PI).
- 03/2020 **Royal Society**, *International Exchanges 2019*, R3: IES\R3\193157, “A Face you can Trust”. Funding: £2,900 (PI).
- 03/2018 **Royal Society**, *International Exchanges 2017*, R3: IES\R3\170267, “Embedding Privacy on Social Media Streaming Services”. Funding: £2,950 (PI).
- 08/2017 – 08/2018 **University of the West of England**, *Vice-Chancellor’s Early Career Researcher Development Awards*, 2017/18, “An Adaptive, User-driven and Privacy-aware Recommendation System for Online App Stores”. Funding: £12,640 (PI).
- 11/2017 **Great Britain Sasakawa Foundation**, *Great Britain Sasakawa Foundation Small Grants*, Grant Application No. 5303. Funding: £1,600 (PI).
- 03/2017 – 08/2017 **Japan Society for the Promotion of Science**-日本学術振興会, *Short Term Post-doctoral Fellowship for EU Researchers*, JSPS/OF282, “Spam Detection in Social Media”. Funding: ¥2,45M (approx. £19,000) (PI).

Awards – Scholarships – Internships

- 04/2021 **The Impact Award**, *UWE Bristol Student Union*, Student Experience Awards 2021.
- 01/2021 **Lethal Forensicator**, *SANS FOR585: Smartphone Forensic Analysis In-Depth*, SANS Lethal Forensicator Coin Holder, 2021.

07/2020	FET Accelerator Programme , <i>Internal Award</i> , Faculty of Environment and Technology, UWE Bristol.
07/2020	Best Paper Award , <i>2nd International Conference on HCI for Cybersecurity, Privacy and Trust, HCI International 2020</i> , for the paper entitled "To Allow, or Deny? That is the Question", 2020.
11/2017	Cyber Security Awareness Week 2017 , <i>CSAW'17 Applied Research Winners, Europe, 2nd place Prize</i> , for the paper "MaMaDroid: Detecting Android Malware by Building Markov Chains of Behavioral Models", 2017. (Mariconti et al.)
08/2015	University of Bristol, Alumni Foundation , <i>Conference Travel Grant</i> , HCI International 2015, Los Angeles, U.S.A.
02/2015 – 04/2015	National Institute of Informatics , <i>NII International Internship Program 2014 – 2015</i> , LDEAR Lab, Tokyo, Japan.
08/2014 – 09/2014	Chinese University of Hong Kong , <i>Global Scholarship Programme for Research Excellence 2014-15</i> , WISC Web Intelligence and Social Computing Lab, Hong Kong, China.
05/2014	2014 HoneyNet Project Workshop , <i>Student Scholarship</i> , Warsaw, Poland.
01/2014	Systems Centre , University of Bristol, <i>Best PhD Poster Award</i> , 1st Inaugural PhD in Systems Research Conference, Bristol, U.K.
07/2013 – 09/2013	National Institute of Informatics , <i>NII International Internship Program 2013 – 2014</i> , LDEAR Lab, Tokyo, Japan.
06/2013	Systems Centre , University of Bristol, <i>Best PhD Poster Award</i> , 4th Annual IDC in Systems Research Conference, Bristol, U.K.

Academic Activities, and Service

04/2021	Program Committee Member , The 11th International Workshop on Socio-Technical Aspects in Security, October 2021, Affiliated with the 25th European Symposium on Research in Computer Security (ESORICS 2021), October 07 - 08, 2021, Darmstadt, Germany.
03/2021 - Present	Publication & Technical Chair , The 7th International Conference on Cyber Security, Privacy in Communication Networks (ICCS - 2021), December 09-10, 2021, Cardiff Metropolitan University-U.K.
01/2021 - Present	Global Equity Chair , The 15th International AAAI Conference on Web and Social Media (ICWSM-2021), June 07 - 10, 2021, Virtual & Atlanta, GA, USA.
02/2021	Program Committee Member , The 13th International ACM Conference on Web Science in 2021 (WebSci'21), June 21 - 25, 2021, Virtual, University of Southampton.
07/2020	Program Committee Member , The 15th International AAAI Conference on Web and Social Media (ICWSM-2021), June 07 - 10, 2021, Virtual & Atlanta, GA, USA.
07/2020	Program Committee Member , The 10th International Workshop on Socio-Technical Aspects in Security, September 2020, Affiliated with the 25th European Symposium on Research in Computer Security (ESORICS 2020), September 17 - 18, 2020, Guildford, UK.

- 02/2020 **Program Committee Member**, The 12th International Conference on Social Informatics (SocInfo 2020), October 06-09, 2020, Pisa, Italy.
- 01/2020 **Program Committee Member**, The 14th International AAAI Conference on Web and Social Media (ICWSM), June 08-11, 2020, Atlanta, GA, USA.
- 12/2019 **Program Committee Member**, The 12th International ACM Conference on Web Science 2020 (WebSci'20), July 07-10, 2020, Southampton, UK.
- 04/2019 **Program Committee Member**, The 9th International Workshop on Socio-Technical Aspects in Security and Trust, Affiliated with the 24th European Symposium on Research in Computer Security (ESORICS 2019) September 26, 2019, Luxembourg.
- 09/2018 **Program Committee Member**, The 13th International AAAI Conference on Web and Social Media (ICWSM), June 11-14, 2019, Munich, Germany.
- 09/2018 **Program Committee Member**, The 8th International Workshop on Socio-Technical Aspects in Security and Trust, Affiliated with the ACSAC 2018, December 04, 2018, San Juan, Puerto Rico, USA.
- 01/2018 **Program Committee Member**, The 3rd IEEE Cyber Science and Technology Congress, CyberSciTech 2018, Athens, Greece, August 2018.
- 01/2018 **Program Committee Member**, The 12th International AAAI Conference on Web and Social Media (ICWSM-18), Stanford, California, June 2018.
- 11/2017 **Shadow Program Committee Member**, ACM – Usenix Eurosys'18, Porto, Portugal, April 2018.
- 07/2017 **Board Member**, 5th International Conference on Human Aspects of Information Security, Privacy and Trust, HCI International 2017, July 2017, Vancouver, Canada.
- 07/2017 **Conference Session Chair**, “Advances in Human Aspects of Cyber Security”, 5th International Conference on Human Aspects of Information Security, Privacy and Trust, HCI International 2017, Vancouver, Canada, July 2017.
- 05/2017 **Program Committee Member**, 10th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage (SpaCCS 2017), Guangzhou, China, Dec. 2017.
- 03/2017 **Program Committee Member**, 7th International Conference on e-Democracy, Athens, Greece, Dec. 2017.
- 01/2017 **Program Committee Member**, 13th EAI International Conference on Collaborative Computing: Networking, Applications and Worksharing, Guangzhou, China, Nov. 2017.
- 01/2017 **Program Committee Member**, Workshop on Security and Privacy in Cyber-Physical Systems 2017, will be held as part of the 3rd IEEE International Conference on Cybernetics (CYBCONF 2017), University of Exeter, UK, June 2017.
- 10/2016 **Shadow Program Committee Member**, ACM – Usenix Eurosys'17, Belgrade, Serbia, April 2017.
- 09/2016 **Program Committee Member**, 13th Annual IFIP WG 11.9 International Conference on Digital Forensics, Orlando, Florida, USA, Jan. 2017.

07/2016	Board Member , 4th International Conference on Human Aspects of Information Security, Privacy and Trust, HCI International 2016, July 2016, Toronto, Canada.
01/2016	Conference Session Chair , Poster Session Chair, 12th Annual IFIP WG 11.9 International Conference on Digital Forensics, New Delhi, India, Jan. 2016.
09/2015	Program Committee Member , 12th Annual IFIP WG 11.9 International Conference on Digital Forensics, New Delhi, India, Jan. 2016.
01/2015	Conference Session Chair , Database Forensics, 11th Annual IFIP WG 11.9 International Conference on Digital Forensics, Orlando, Florida, USA, Jan. 2015.
09/2014	Program Committee Member , 11th Annual IFIP WG 11.9 International Conference on Digital Forensics, Orlando, Florida, USA, Jan. 2015.

Editorial Work – Journal Reviews - Reviews

09/2021	Reviewer , International Journal of Information Security, Springer.
07/2021	Reviewer , FSI: Digital Investigation, Elsevier.
06/2021	Reviewer , Digital Threats: Research and Practice, ACM.
01/2021	Reviewer , Journal of Information Security and Applications, Elsevier.
01/2021	Reviewer , Information Fusion, Elsevier.
09/2020	Reviewer , Japan Society for the Promotion of Science (JSPS).
09/2020	Reviewer , International Journal of Information Security, Springer.
04/2020	Reviewer , Journal of Information Security and Applications, Elsevier.
04/2020	Reviewer , Digital Threats: Research and Practice, ACM.
01/2020, 02/2020	Reviewer , Internet of Things Journal, IEEE.
06/2019	Reviewer , Transactions on Engineering Management, IEEE.
05/2019	Reviewer , ESORICS 2019.
12/2018	Reviewer , Computers & Security, Elsevier.
11/2018	Reviewer , Journal of Information Security and Applications, Elsevier.
08/2018	Reviewer , Telematics and Informatics, Elsevier.
04/2018	Reviewer , Journal of Cybersecurity, Oxford University Press.
10/2017	Reviewer , Journal of Information Security and Applications, Elsevier.
05/2016	Reviewer , Transactions on Dependable and Secure Computing, IEEE.
02/2016	Reviewer , Future Generation Computer Systems, Elsevier.
05/2015	Reviewer , ESORICS 2015.
05/2014	Reviewer , International Journal of Information Security, Springer.
02/2014	Reviewer , Journal of Information Security and Applications, Elsevier.
10/2013	Reviewer , Transactions on Image Processing, IEEE.

Invited Talks - Panel Invitations

11/02/2021	Password Retrieval through Physical Traces on Mobile Devices , Home Office, Office for Security & Counter-Terrorism, ACE/FCN Online Roundtable event, U.K.
19/05/2016	Digital Forensics: Retrieving Evidence from Mobile Devices , UCL, Information Security Group Seminar, London, U.K.

- 15/07/2015 **Mobile Authentication mechanisms and attacks**, Intensive Programme on Information and Communication Security (IPICS) Summer School 2015, Mytilene, Greece, July 2015.
- 18/07/2014 **Steganography and forensic Steganalysis in JPEG using Benford's Law**, Intensive Programme on Information and Communication Security (IPICS) Summer School 2014, Mytilene, Greece, July 2014.
- 11/12/2013 **Physical acquisition on Android and mobile data analysis and visualisation**, Forensics Workshop, University of Bristol, UoB InfoSec.

Conference Presentations

- 20/07/2020 **To Allow, or Deny? That is the Question**, 2nd International Conference on HCI for Cybersecurity, Privacy, and Trust (HCI-CPT)), Copenhagen, Denmark, July 2020, Held Virtually.
- 11/12/2018 **Emotional Bots: Content-based Spammer Detection on Social Media**, 10th IEEE International Workshop on Information Forensics and Security (WIFS), Hong Kong, China, December 2018.
- 13/07/2017 **A Comparative Study of Android Users' Privacy Preferences under the Runtime Permission Model**, 5th International Conference on Human Aspects of Information Security, Privacy and Trust, Vancouver, Canada, July 2017.
- 13/07/2017 **Privacy Decision-Making in the Digital Era: A Game Theoretic Review**, 5th International Conference on Human Aspects of Information Security, Privacy and Trust, Vancouver, Canada, July 2017.
- 05/12/2016 **Permissions Snapshots: Assessing Users' Adaptation to the Android Runtime Permission Model**, 8th IEEE International Workshop on Information Forensics and Security (WIFS) 2016, Abu Dhabi, December 2016.
- 06/01/2016 **The Effects of Power Users' Data Privacy Measures on Mobile Device Investigations**, 12th IFIP WG11.9 International Conference on Digital Forensics, New Delhi, India, January 2016.
- 04/01/2016 **Optimizing Short Text Sentiment Analysis for Mobile Device Forensics**, 12th IFIP WG11.9 International Conference on Digital Forensics, New Delhi, India, January 2016.
- 05/08/2015 **Messaging Activity Reconstruction with Sentiment Polarity Identification**, HCI International 2015, Los Angeles, U.S.A., July 2015.
- 27/01/2015 **A framework to describe multimedia circulation in the smartphone ecosystem**, 11th IFIP WG11.9 International Conference on Digital Forensics, Orlando, U.S.A., January 2015.
- 26/06/2014 **Complexity metrics and user strength perceptions of the pattern-lock graphical authentication method**, HCI International 2014, Crete, Greece, June 2014.
- 10/01/2014 **Smartphone Message Sentiment Analysis**, 10th IFIP WG11.9 International Conference on Digital Forensics, Vienna, Austria, January 2014.

Conference Presentations

- 17/04/2013 **A pilot study on the security of pattern screen-lock methods and soft side channel attacks**, ACM WiSec13, Budapest, Hungary, April 2013.
- 03/12/2012 **Forensic analysis of wireless networking evidence of Android smartphones**, IEEE WIFS12, Tenerife, Spain, December 2012.

Professional Experience

- 09/2016 – Present **Senior Lecturer in Computer Forensics and Security**, University of the West of England (UWE Bristol). Teaching and Research on Digital Forensics and Security. **(FT)**
- 03/2017 – 08/2017 **Visiting Researcher**, Japan Society for the Promotion of Science, Postdoctoral Fellowship for Overseas Researchers, National Institute of Informatics, Tokyo, Japan. **(FT)**
- 03/2016 – 08/2016 **Research Associate**, University College London (UCL), “Inferring the Purpose of Network Activities”, EPSRC grant EP/N008448/1. **(FT)**
- 11/2015 – 02/2016 **Cyber Security Research Expert**, De Montfort University (DMU). A research position embedded within Airbus Group research division seeking to develop digital security and forensic capabilities for Critical Infrastructure Supervisory Control and Data Acquisition (SCADA) and Smart Grid Systems. **(FT)**
- 10/2014 – 06/2015 **Research Assistant**, University of Bristol, “NIFTy: Novel Image/photo Forensic Tools for fighting against child pornography”, EU DG Home Affairs - ISEC (Prevention of and Fight against Crime) / INT (Illegal Use of Internet) programme. **(FT)**
- 01/2012 – 09/2014 **Research Assistant**, University of Bristol, “ForToo: Forensic Tools”, EU Prevention of and Fight against Crime Programme “Illegal Use of Internet” - ISEC 2010 Action Grants, grant ref. HOME/2010/ISEC/AG/INT-002. **(FT)**
- 06/2006 – 07/2009 **Tutor – Teacher, Mathematics**, Private and Public sector (High School level and UG level), Athens, Greece. **(PT)**
- 12/2007 – 09/2008 **Teller**, Citibank plc. Zografou branch, Athens, Greece. **(FT)**
- 05/2005 – 05/2006 **Conscript Sergeant**, Hellenic Army, Compulsory Service, Lesvos, Greece.
- 09/2000 – 05/2005 **Customer Support**, Vivartia, Athens, Greece. **(FT)**

Seminars – Summer Schools - Online Training

- 10/2020 **Certificate - Cyber Triage DFIR Training**, Intro to DFIR: The Divide and Conquer Process, Basis Technology.
- 04/2020 **Certificate - Autopsy Training**, Autopsy 8-Hour Online Training, Basis Technology.
- 08/2014 **STFC Hartree Centre Summer School on Big Data 2014**, Daresbury, Warrington, U.K.
- 09/2012 **IPICS2012 Summer School**, Vienna, Austria.
- 05/2012 **ECRYPT II Summer School on Tools**, Mykonos, Greece.

Publications

- [1] Aboluwarin, O., Andriotis, P., Takasu, A., and Tryfonas, T. (2016). Optimizing short message text sentiment analysis for mobile device forensics. In Peterson, G. and Shenoi, S., editors, *Advances in Digital Forensics XII*, pages 69–87, Cham. Springer International Publishing.
- [2] Anastasopoulou, K., Kokolakis, S., and Andriotis, P. (2017). Privacy decision-making in the digital era: A game theoretic review. In Tryfonas, T., editor, *Human Aspects of Information Security, Privacy and Trust*, pages 589–603, Cham. Springer International Publishing.
- [3] Andriotis, P., Li, S., Spyridopoulos, T., and Stringhini, G. (2017). A comparative study of android users’ privacy preferences under the runtime permission model. In Tryfonas, T., editor, *Human Aspects of Information Security, Privacy and Trust*, pages 604–622, Cham. Springer International Publishing.
- [4] Andriotis, P. and Oikonomou, G. (2015). Messaging activity reconstruction with sentiment polarity identification. In Tryfonas, T. and Askoxylakis, I., editors, *Human Aspects of Information Security, Privacy, and Trust*, pages 475–486, Cham. Springer International Publishing.
- [5] Andriotis, P., Oikonomou, G., Mylonas, A., and Tryfonas, T. (2016a). A study on usability and security features of the Android pattern lock screen. *Information and Computer Security*, 24(1):53–72.
- [6] Andriotis, P., Oikonomou, G., and Tryfonas, T. (2012). Forensic analysis of wireless networking evidence of Android smartphones. In *2012 IEEE International Workshop on Information Forensics and Security (WIFS)*, pages 109–114.
- [7] Andriotis, P., Oikonomou, G., and Tryfonas, T. (2013a). Jpeg steganography detection with benford’s law. *Digital Investigation*, 9(3):246–257.
- [8] Andriotis, P., Oikonomou, G., Tryfonas, T., and Li, S. (2016b). Highlighting Relationships of a Smartphone’s Social Ecosystem in Potentially Large Investigations. *IEEE Transactions on Cybernetics*, 46(9):1974–1985.
- [9] Andriotis, P., Sasse, M. A., and Stringhini, G. (2016c). Permissions snapshots: Assessing users’ adaptation to the Android runtime permission model. In *2016 IEEE International Workshop on Information Forensics and Security (WIFS)*, pages 1–6.
- [10] Andriotis, P., Stringhini, G., and Sasse, M. A. (2018). Studying users’ adaptation to android’s run-time fine-grained access control system. *Journal of Information Security and Applications*, 40:31–43.
- [11] Andriotis, P. and Takasu, A. (2018). Emotional Bots: Content-based Spammer Detection on Social Media. In *2018 IEEE International Workshop on Information Forensics and Security (WIFS)*, pages 1–6.
- [12] Andriotis, P. and Takasu, A. (2020). To allow, or deny? that is the question. In Moallem, A., editor, *HCI for Cybersecurity, Privacy and Trust*, pages 287–304, Cham. Springer International Publishing.
- [13] Andriotis, P., Takasu, A., and Tryfonas, T. (2014a). Smartphone message sentiment analysis. In Peterson, G. and Shenoi, S., editors, *Advances in Digital Forensics X*, pages 253–265, Berlin, Heidelberg. Springer Berlin Heidelberg.

- [14] Andriotis, P. and Tryfonas, T. (2016). Impact of user data privacy management controls on mobile device investigations. In Peterson, G. and Sheno, S., editors, *Advances in Digital Forensics XII*, pages 89–105, Cham. Springer International Publishing.
- [15] Andriotis, P., Tryfonas, T., and Oikonomou, G. (2014b). Complexity metrics and user strength perceptions of the pattern-lock graphical authentication method. In Tryfonas, T. and Askoxylakis, I., editors, *Human Aspects of Information Security, Privacy, and Trust*, pages 115–126, Cham. Springer International Publishing.
- [16] Andriotis, P., Tryfonas, T., Oikonomou, G., and King, I. (2015). A framework for describing multimedia circulation in a smartphone ecosystem. In Peterson, G. and Sheno, S., editors, *Advances in Digital Forensics XI*, pages 251–267, Cham. Springer International Publishing.
- [17] Andriotis, P., Tryfonas, T., Oikonomou, G., Li, S., Tzermias, Z., Xynos, K., Read, H., and Prevelakis, V. (2014c). On the development of automated forensic analysis methods for mobile devices. In Holz, T. and Ioannidis, S., editors, *Trust and Trustworthy Computing*, pages 212–213, Cham. Springer International Publishing.
- [18] Andriotis, P., Tryfonas, T., Oikonomou, G., Spyridopoulos, T., Zaharis, A., Martini, A., and Askoxylakis, I. (2013b). On two different methods for steganography detection in jpeg images with benford’s law. In *Security and Protection of Information-SPI 2013*, volume 7, pages 3–14. Brno University of Defence.
- [19] Andriotis, P., Tryfonas, T., Oikonomou, G., and Yildiz, C. (2013c). A Pilot Study on the Security of Pattern Screen-lock Methods and Soft Side Channel Attacks. In *Proceedings of the Sixth ACM Conference on Security and Privacy in Wireless and Mobile Networks*, WiSec ’13, pages 1–6, New York, NY, USA. ACM.
- [20] Andriotis, P., Tryfonas, T., and Yu, Z. (2013d). POSTER: Breaking the Android Pattern Lock Screen with Neural Networks and Smudge Attacks. presented at the 7th ACM Conference on Security & Privacy in Wireless and Mobile Networks (WiSec’14).
- [21] Andriotis, P., Tzermias, Z., Mparmpaki, A., Ioannidis, S., and Oikonomou, G. (2013e). Multilevel visualization using enhanced social network analysis with smartphone data. *International Journal of Digital Crime and Forensics (IJDCF)*, 5(4):34–54.
- [22] Li, S., Chen, J., Spyridopoulos, T., Andriotis, P., Ludwiniak, R., and Russell, G. (2015). Real-time monitoring of privacy abuses and intrusion detection in android system. In Tryfonas, T. and Askoxylakis, I., editors, *Human Aspects of Information Security, Privacy, and Trust*, pages 379–390, Cham. Springer International Publishing.
- [23] Li, S., Tryfonas, T., Russell, G., and Andriotis, P. (2016). Risk Assessment for Mobile Systems Through a Multilayered Hierarchical Bayesian Network. *IEEE Transactions on Cybernetics*, 46(8):1749–1759.
- [24] Li, S., Zhao, S., Yang, P., Andriotis, P., Xu, L., and Sun, Q. (2019). Distributed consensus algorithm for events detection in cyber-physical systems. *IEEE Internet of Things Journal*, 6(2):2299–2308.
- [25] Mariconti, E., Onwuzurike, L., Andriotis, P., Cristofaro, E. D., Ross, G. J., and Stringhini, G. (2017). MaMaDroid: Detecting Android Malware by Building Markov Chains of Behavioral Models. In *24th Network and Distributed System Security Symposium (NDSS 2017)*, pages 1–15.

- [26] McCarthy, A., Andriotis, P., Ghadafi, E., and Legg, P. (2021). Feature vulnerability and robustness assessment against adversarial machine learning attacks. In *2021 International Conference on Cyber Situational Awareness, Data Analytics and Assessment (CyberSA)*, pages 1–8.
- [27] Onwuzurike, L., Mariconti, E., Andriotis, P., Cristofaro, E. D., Ross, G., and Stringhini, G. (2019). Mamadroid: Detecting android malware by building markov chains of behavioral models (extended version). *ACM Transactions on Privacy and Security*, 22(2).
- [28] Read, H., Xynos, K., Sutherland, I., Roarson, F., Andriotis, P., and Oikonomou, G. (2015). An extensible platform for the forensic analysis of social media data. In Tryfonas, T. and Askoxylakis, I., editors, *Human Aspects of Information Security, Privacy, and Trust*, pages 404–414, Cham. Springer International Publishing.
- [29] Tryfonas, T., Carter, M., Crick, T., and Andriotis, P. (2016). Mass surveillance in cyberspace and the lost art of keeping a secret. In Tryfonas, T., editor, *Human Aspects of Information Security, Privacy, and Trust*, pages 174–185, Cham. Springer International Publishing.

In the Press

25/02/2021	To Allow, or Deny? , <i>Faculti</i> , https://faculti.net/to-allow-or-deny/
10/04/2018	The endless game of cat and mouse with spammers , <i>Eureka</i> , <i>Kyocera</i> , https://go.uwe.ac.uk/eureka – now archived.
09/03/2017	MaMaDroid: Detecting Android malware by building Markov chains of behavioral models , <i>the morning paper</i> , https://go.uwe.ac.uk/mama

Volunteering Roles and Other Activities

09/2019 - Present	I participate in Marathon runs raising funds for philanthropic causes. I run the 36th Authentic Marathon in Athens (2018) running with the team of “ELEPAP Rehabilitation for The Disabled”, Greece.
09/2012 – 08/2015	Senior Resident , Postgraduate Warden at University of Bristol Accommodation Residences, U.K.
08/2015	Student Volunteer , HCI International 2015, Los Angeles, CA, USA.
06/2014	Student Volunteer , HCI International 2014, Crete, Greece.
09/2012 – 05/2014	Undergraduate Mentor , Disability Services, University of Bristol, U.K.
09/2012 – 05/2014	Scribe and Exam Scribe , Disability Services, University of Bristol, U.K.
07/2012	Group Leader , “HeadStart 2012” Summer School, University of Bristol, U.K.

Nominations

- 04/2021 **The Outstanding Teaching Award**, Student Experience Awards - UWE Bristol Student Union.
- 02/2020 **The Outstanding Teaching Award**, Student Experience Awards - UWE Bristol Student Union.

Mentorships

- 09/2020 - Present I act as a **Mentor** of Mr Jonathan White, currently Lecturer in Cyber Security.

Interns (BSc/MSc)

- 07/2020 – 09/2020 Mr. Myles Kirby, Mrs. Ramya Hariharasubramanian, Mr. Raghu Vaddagere Shivakumar (University of the West of England).

Current Students (PhD)

- 10/2021 Selection Phase: 2 students (University of the West of England).
- 01/2020 – Present Mr. Andrew McCarthy (University of the West of England).

Interests - Hobbies

I love photography, travelling and running.
I am a Marathon runner.
I tweet @PanosAndriotis.
I am a Japanophile.
I am a member of the Computer Science Research Centre (CSRC) at UWE Bristol.
<http://www.andrio.eu>
<https://www.flickr.com/photos/andriot/>



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