



Academic Personnel Short Profile / Short CV

University:	Cyprus University of Technology
Surname:	Sirivianos
Name:	Michael
Rank/Position:	Assistant Professor
Faculty:	School of Engineering and Technology
Department:	Electrical Engineering, Computer Engineering and Informatics Department
Scientific Domain: *	My research interests include trust-aware design of distributed systems, device-centric authentication, federated identity management, discrimination based on personal data, cybersafety (cyberbullying detection, cybergrooming detection, characterization and detection of hate speech, detection of inappropriate videos targeting young children, characterization and suppression of false information), large scale data processing, transactional workload scalability, and measurement of blockchain systems.

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ph.D. in Computer Science	2008-2010	Duke University	Computer Science	Toward Attack-Resistant Distributed Information Systems by Means of Social Trust
Ph.D. Candidate in Networked Systems	2004-2008	University of California, Irvine	Computer Science	

MSc in Computer Science (Computer Communication Networks)	2002-2004	University of California, San Diego	Computer Science	
Diploma (BSc)	1997-2002	National Technical University of Athens	Electrical and Computer Engineering	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
January 2012	Present	Department of Electrical Engineering, Computer Engineering and Informatics, Cyprus University of Technology	Limassol, Cyprus	Assistant Professor
June 2010	January 2012	Telefonica Research, Scientific Group	Barcelona, Spain	Associate Researcher
May 2009	August 2009	Telefonica Research, Scientific Group	Barcelona, Spain	Student Intern Researcher

Publications

Ref #	Year	Title	Authors	Journal/ Publisher/ Conference	Vol	Pages
1	2020	“Hihooi: A Database Replication Middleware for Scaling Transactional Databases Consistently”	M. A. Georgiou, A. Paphitis, M. Sirivianos, H. Herodotou	IEEE Transactions on Knowledge and Data Engineering		

2	2020	“SECONDO: A Platform for Cybersecurity Investments and Cyber Insurance Decisions”	A. Farao, S. Panda, S.A. Menesidou, E. Veliou, N. Episkopos, G. Kalatzantonakis, F. Mohammadi, N. Georgopoulos, M. Sirivianos, N. Salamanos, S. Loizou, M. Pingos, J. Polley, A. Fielder, E. Panaousis, C. Xenakis	International Conference on Trust and Privacy in Digital Business (TrustBus)		
3	2020	“A Privacy-Preserving Architecture for the Protection of Adolescents in Online Social Networks”	M.Charalambous, P. Papagiannis, A. Papasavva, P. Leonidou, R. Constaninou, L. Terzidou, T. Christophides, P. Nicolaou, O. Theofanis, G. Kalatzantonakis, M. Sirivianos,	The Fifth International Conference on Cyber-Technologies and Cyber-Systems (CYBER)		
4	2020	“Killing the Password and Preserving Privacy with Device-centric and Attribute-based Authentication”	K. Papadamou, S. Zannettou, BC. Chifor, S. Teican, G. Gugulea, A. Recupero, A. Caponi, C. Pisa, G. Bianchi, S. Gevers, C. Xenakis, M. Sirivianos	IEEE Transactions on Information Forensics and Security		
5	2020	“Disturbed YouTube for Kids: Characterizing and Detecting Inappropriate Videos Targeting Young Children”	K. Papadamou, A. Papasavva, S. Zannettou, J. Blackburn, N. Kourtellis, I. Leontiadis, G. Stringhini, M. Sirivianos	International AAAI Conference on the Web and Social Media (ICWSM)		
6	2019	“Disinformation Warfare: Understanding State-Sponsored Trolls on Twitter and Their Influence on the Web”	S.Zannettou, T. Caulfield, E. De Cristofaro, M. Sirivianos, G. Stringhini, J. Blackburn	Workshop on Computational Methods in CyberSafety, Online Harassment and Misinformation, co-located with The Web Conference		

7	2019	“Who Let The Trolls Out? Towards Understanding State-Sponsored Trolls”	S. Zannettou, T. Caulfield, W. Setzer, M. Sirivianos, G. Stringhini, J. Blackburn	ACM International Web Science Conference (WebSci)		
8	2018	“On the Origins of Memes by Means of Fringe Web Communities”	S. Zannettou, T. Caulfield, J. Blackburn, E. De Cristofaro, M. Sirivianos, G. Stringhini, G. Suarez-Tangil	ACM Internet Measurement Conference (IMC)		
9	2018	“Understanding Web Archiving Services and Their (Mis)Use on Social Media”	S. Zannettou, J. Blackburn, E. De Cristofaro, M. Sirivianos, G. Stringhini	International AAAI Conference on the Web and Social Media (ICWSM)		
10	2018	“Large Scale Crowdsourcing and Characterization of Twitter Abusive Behavior”	A. Founta, C. Djouvas, D. Chatzakou, I. Leontiadis, J. Blackburn, G. Stringhini, A. Vakali, M. Sirivianos, N. Kourtellis	International AAAI Conference on the Web and Social Media (ICWSM)		
11	2018	“The Good, the Bad and the Bait: Detecting and Characterizing Clickbait on YouTube”	S. Zannettou, S. Chatzis, K. Papadamou, M. Sirivianos	1st Deep Learning and Security Workshop (DLS), co-located with IEEE S&P		
12	2018	“What is Gab? A Bastion of Free Speech or an Alt-Right Echo Chamber?”	S. Zannettou, B. Bradlyn, E. De Cristofaro, M. Sirivianos, G. Stringhini, H. Kwak, J. Blackburn	Workshop on Computational Methods in CyberSafety, Online Harassment and Misinformation, co-located with AAAI ICWSM		
13	2018	“From Risk Factors to Detection and Intervention: A Practical Proposal for Future Work on Cyberbullying”	A. Ioannou, J. Blackburn, G. Stringhini, E. De Cristofaro, N. Kourtellis, M. Sirivianos	Behavior & Information Technology (TBIT)		

14	2017	"The Web Centipede: Understanding How Web Communities Influence Each Other Through the Lens of Mainstream and Alternative News Sources"	S. Zannettou, T. Claudfoeld, E. De Cristofaro, N. Kourtellis, I. Leontiadis, M. Sirivianos, G. Stringhini, J. Blackburn	ACM Internet Measurement (ICM)		
15	2017	"Who is Fiddling with Prices? Building and Deploying a Watchdog Service for E-commerce"	C. Iordanou, C. Soriente, M. Sirivianos, N. Laoutaris	ACM SIGCOMM		
16	2016	"Exploiting Path Diversity in Datacenters using MPTCP-aware SDN"	S. Zannettou, M. Sirivianos, F. Papadopoulos	IEEE Symposium on Computers and Communications (ISCC)		
17	2015	"Combatting Friend Spam Using Social Reflections"	Q. Cao, M. Sirivianos, X. Yang, K. Munagala	IEEE International Conference in Distributed Computing Systems (ICDCS)		
18	2014	"Quantifying the Cost of Costumers for Usage-based Pricing"	L. Gyarmati, R. Stanojevic, M. Sirivianos, N. Laoutaris	Smart Data Pricing, John Wiley & Sons		
19	2014	"Leveraging Social Feedback to Verify Online Identity Claims"	M. Sirivianos, K. Kim, J.W Gan, Xiaowei Yang	ACM Transactions on the Web		
20	2012	"Sharing the Cost of Backbone Networks: Cui Bono?"	L. Gyarmati, R. Stanojevic, M. Sirivianos, N. Laoutaris	ACM Internet Measurement Conference (ICM)		
21	2012	"Aiding the Detection of Fake Accounts in Large Scale Social Online Services"	Q. Cao, M. Sirivianos, Xiaowei Yang, T. Pregueiro	USENIX Symposium on Networked Systems Design and Implementation (NSDI)		
22	2011	"Inter-datacenter Bulk Transfers with NetStitcher"	N. Laoutaris, M. Sirivianos, Xiaoyuan Yang, P. Rodriguez	ACM Conference on Applications Technologies Architectures and Protocols for		

				Computer Communication (SIGCOMM)		
23	2011	"SocialFilter: Introducing Social Trust to Collaborative Spam Mitigation"	M. Sirivianos, Xiaowei Yang, K. Kim	International Conference on Computer Communications (INFOCOM)		
24	2009	"Robust and Efficient Incentives for Cooperative Content Distribution"	M. Sirivianos, X. Yang, S. Jarecki	IEEE/ACM Transactions on Networking		
25	2008	"Poking Facebook: A Characterization of OSN Applications"	M. Gjoka, M. Sirivianos, A. Markopoulou, X. Yang	SIGCOMM Workshop on Online Social Network (WOSN)		
26	2007	"Dandelion: Cooperative Content Distribution with Robust Incentives"	M. Sirivianos, J. H. Park, X. Yang	USENIX Annual Technical Conference		
27	2007	"Free-riding in BitTorrent Networks with the Large View Exploit"	M. Sirivianos, J. H. Park, R. Chen, X. Yang	International Workshop on Peer-to-peer Systems (IPTPS)		
28	2006	"Loud and Clear: Human Verifiable Authentication Based on Audio"	M. Goodrich, M. Sirivianos, J. Solis, G. Tsudik, E. Uzun	International Conference on Distributed Computing Systems (ICDCS)		

Research Projects

Ref #	Date	Title	Funded By	Project Role*
1	2019-2023	“CONCORDIA: Cyber security cOmpeteNcE fOr Research anD InnovAtion”	H2020 CYBERSECURITY, total funding: 15,998,000 Euro, funding for CUT: 256,000 Euro	Principal Investigator
2	2019-2023	“SECONDO: a Security ECONomics service platform for smart security investments and cyber insurance pricing in the beyonD 2020 netwOrking era”	H2020 Marie Curie RISE, total funding: 1,173,000 Euro, funding for CUT: 255,000 Euro, RPF complementary funding 12,000 Euro.	Principal Investigator
3	2019-2023	“INGOGNITO: IdeNtity verifiCatiOn with privacy-preservinG credeNtlals for anonymous access To Online services”	H2020 Marie Curie RISE, total funding: 1,601,000 Euro, funding CUT: 286,000 Euro, RPF complementary funding 14,000 Euro	Scientific Coordinator of the consortium
4	2018-2020	“CYberSafety in Cyprus”	CEF CYBERSAFETY II Telecom Safer internet, total funding: 494,860 Euro, funding for CUT: 49,940 Euro	Principal Investigator

5	2016-2020	“ENCASE: ENhancing seCurity and privAcy in the Social wEb: a user-centered approach for the protection of minors”	H2020 Marie Curie RISE, total funding: 2,160,000 Euro, funding for CUT: 580,000 Euro	Coordinator of the consortium
6	2016-2019	“ReCRED: From Real-world Identities to Privacy-Preserving and Attribute-based CRE-Dentials for Device-centric Access Control”	H2020 Digital Security – Access Control, total funding: 4,997,000 Euro, funding for CUT: 525,000 Euros	Principal Investigator and Technical Manager of the consortium
7	2015-2018	“NOTRE: Network for sOcial compuTing ResEarch”	H2020 – Twinning, total funding: 1,000,000 Euro, funding for CUT: 450,000 Euro, funding for EECEI: 50,000 Euro	co-Principal Investigator

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
(Last 5 years)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2020-2022	CYENS Centre of Excellence	Member of the Board of Directors	
2	2020	ACM SIGMETRICS	Program committee	
3	2019	ACM CoNEXT	Program Committee	
4	2019	Cybersafety 2019, co-located with The Web Conference	Program Committee and Publicity co-chair	
5	2019-2020	AAAI ICWSM	Program Committee	
6	2017	Dagstuhl Seminar on "Cybersafety in Modern Online Social Networks"	Co-organizer	

Awards / International Recognition

Ref. Number	Date	Title	Awarded by:
1	2019	Distinguished Paper "Disinformation Warfare: Understanding State-Sponsored Trolls on Twitter and Their Influence on the Web"	Workshop on Computational Methods in CyberSafety, Online Harassment and Misinformation, co-located with the Web Conference
2	2018	Distinguished Paper "On the Origins of Memes by Means of Fringe Web Communities"	ACM Internet Measurement Conference (IMC)
3	2015/2016	2015/2016 IEEE International Conference on Computer Communications (INFOCOM)	Distinguished Member of the 2015/16 INFOCOM Technical Program Committee. This distinction is awarded based upon peer ratings among the TPC members.
4	2008	1 st place winner of the 2008 hiTEC product development competition and 3 rd place winner in the 2008 SYCR business plan competition.	Bren School of Computer Science and Merge School of Business
5	2006	Outstanding TA Award	UCI ICS
6	2002-2004	Full graduate (MSc) grant	Cyprus Fulbright Commission
7	1997-2002	Scholarship for excellence in highly competitive university entrance examinations	State Scholarship Foundation of Greece