

# Curriculum Vitae (6 May 2025)

## Personal Information



Full name

**Shujun Li (李树钧)**

Positions held

Director, [Institute of Cyber Security for Society \(iCSS\)](#)  
 Professor of Cyber Security and Head of [Cyber Security Research Group](#), [School of Computing](#)  
[University of Kent](#), Canterbury, UK  
  
 Co-Founder and Chair of Steering Group, [Kent & Medway Cyber Cluster \(KMCC\)](#), UK (2023-)  
 Co-Founder and Chair of Executive Group, [Kent & Medway CyberSchools Network \(KMCSN\)](#), UK(2023-)  
 R&I Academic Advisor (Honorary Placement), [Kent County Council \(KCC\)](#), UK (2023-25)

Postal address (work)

Visiting Professor, [Department of Computer Science](#), [University of Surrey](#), Guildford, UK (2017-26)  
 Institute of Cyber Security for Society (iCSS), Keynes College, University of Kent, Canterbury, Kent, CT2 7NP, UK

E-mail addresses (work)

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E-mail address (private)

[hooklee@gmail.com](mailto:hooklee@gmail.com)

Web site (work)

<https://www.cs.kent.ac.uk/~sl626>

Web site (private)

<https://www.hooklee.com/>

## Research Interests

Cyber security and privacy, AI (including NLP, large language models, federated learning, and explainable AI) and AI safety/security, human factors and user-centric computing (e.g., usability, human behaviors, cognitive modeling), wider socio-technical aspects (e.g., cyber law), cybercrime and online harms/safety, misinformation (including deepfakes and AI-generated data), modelling and simulation (e.g., human behaviors, conceptual modelling, ecosystem modelling), digital forensics and OSNIT (open-source intelligence) including social media analytics, multimedia computing (including image processing, image/video coding, information visualization, visual quality assessment), discrete optimization (applications) and digital chaos (theory and applications)

## Application Domains of Research and Innovation

Cyber security and digital forensics as industry sectors, law enforcement and policing, media and communications, e-tourism, intelligent transport systems, mobility-as-a-service, automotive, digital health, smart home, business (e.g., organizational relationships, legal compliance, and cyber incident management), education and learning

## Scientometric Indicators

[ResearchGate](#)

[h-index](#) = 48 (self-citations included), [h-index](#) = 45 (self-citations **excluded**); total citations > 9,700

[Google Scholar](#)

[h-index](#) = 51 (self-citations included); total citations > 11,000

## Education

Dates

March 1999 – June 2003

Degree awarded

PhD

Subject

Information and Communication Engineering

Name of educational organization

Xi'an Jiaotong University (西安交通大学), China

Dates

September 1997 – February 1999

Program attended

Master's program (directly admitted to the doctoral program without getting a master's degree)

Subject

Electromagnetic Measurement and Devices

Name of educational organization

Xi'an Jiaotong University (西安交通大学), China

Dates

September 1993 – July 1997 (in Class 31 for Talented Students)

Degree awarded

BE

Subject

Information Science and Engineering

Name of educational organization	Xi'an Jiaotong University (西安交通大学), China
<b>Research/Work Experience</b>	
Dates	November 2017 – present
Occupation or position held	Professor of Cyber Security
Department	School of Computing
Name of employer	University of Kent, UK
Dates	April – November 2017
Occupation or position held	Reader
Department	Department of Computer Science
Name of employer	University of Surrey, UK
Dates	September 2011 – March 2017
Occupation or position held	Senior Lecturer
Department	Department of Computer Science (known as Department of Computing before 2015)
Name of employer	University of Surrey, UK
Dates	July 2008 – August 2011
Occupation or position held	Zukunftskolleg Research Fellow (5-Year) (≈ Assistant Professor)
Departments	Zukunftskolleg (Institute for Advanced Study for Early Career Researchers) Department of Computer and Information Science (as an Affiliated Junior Faculty Member)
Name of employer	Universität Konstanz, Germany
Dates	March 2007 – June 2008
Occupation or position held	Humboldt Research Fellow
Department	Chair of Computer Engineering, Faculty of Mathematics and Computer Science
Place of work (not officially employed)	FernUniversität in Hagen, Germany
Dates	June 2005 – January 2007
Occupation or position held	The University's Postdoctoral Fellow (2-Year)
Department	Department of Electronic and Information Engineering, Faculty of Engineering
Name of employer	The Hong Kong Polytechnic University, Hong Kong, China
Dates	September 2003 – February 2004 / April 2004 – January 2005
Occupation or position held	Research Assistant / Senior Research Assistant
Department	Department of Electronic Engineering, College of Science and Engineering
Name of employer	City University of Hong Kong, Hong Kong, China
Dates	April 2002 – September 2002
Occupation or position held	Student Intern
Group	Visual Computing Group
Place of work	Microsoft Research Asia, Beijing, China
<b>Honors and Awards</b>	
Date	2022
Title of honor/award	<b>IEEE Transactions on Circuits and Systems Guillemín-Cauer Best Paper Award</b> (1 selected from over 3,000 papers published in the <i>IEEE Transactions on Circuits and Systems</i> (two journals, Part I and Part II) during the three calendar years preceding the award, i.e., 2019-2021)
Name of awarding organization	IEEE Circuits and Systems Society

Date	2022
Title of honor/award	<b>IEEE SMC Society TCHS Research and Innovation Award</b> (together with two other researchers)
Name of awarding organization	IEEE SMC (Systems, Man, and Cybernetics) Society TCHS (Technical Committee on Homeland Security)
Date	2022
Title of honor/award	<b>Best Paper Award of Experience and Practice Track</b> 5 <sup>th</sup> IEEE Conference on Dependable and Secure Computing (IEEE DSC 2022)
Name of awarding organization	IEEE DSC 2022 Experience and Practice Track Co-Chairs
Date	2022
Title of honor/award	<b>Top 4% of College members for participating in peer review activities during the 2020/21 academic year</b>
Name of awarding organization	Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI)
Date	2021
Title of honor/award	<b>Best Paper Award of Location Intelligence Invited Track</b> (1 selected from 10 papers accepted to the track; in total 11 Best Papers, one for each of 11 tracks, selected out of 710 accepted papers) 54 <sup>th</sup> Hawaii International Conference on System Sciences (HICSS 2021)
Name of awarding organization	HICSS 2021 Organizing Committee
Date	2020
Title of honor/award	<b>Honorable Mention Award</b> (1 out of 9 papers that were nominated for Best Paper Award, which were selected from 72 full papers accepted) 14 <sup>th</sup> AAAI International Conference on Web and Social Media (ICWSM 2020)
Name of awarding organization	ICWSM 2020 Organizing Committee
Date	2017
Title of honor/award	<b>Best Paper Award</b> (1 out of 46 accepted papers) 5 <sup>th</sup> International Conference on Human Aspects of Information Security, Privacy and Trust (HAS 2017), part of HCI International 2017
Name of awarding organization	HAS 2017 Organizing Committee
Date	2012
Title of honor/award	<b>Best Paper Award</b> (1 of 3, out of 95 accepted papers) IIEEJ (The Institute of Image Electronics Engineering of Japan) IEVC 2012 (3rd Image Electronics and Visual Computing Workshop)
Name of awarding organization	IIEEJ IEVC 2012 Organizing Committee
Date	2012
Title of honor/award	Certificate of Appreciation For being the lead editor of ISO/IEC 23001-4:2011 "Information technology – MPEG systems technologies – Part 4: Codec configuration representation", 2nd edition of the MPEG RVC (Reconfigurable Video Coding) standard
Name of awarding organization	ISO/IEC
Date	2011
Title of honor/award	Quality Reviewer IEEE ICME (International Conference on Multimedia & Expo) 2011
Name of awarding organization	IEEE ICME 2011 Organizing Committee
Year	2005
Title of honor/award	<b>Outstanding PhD Thesis Award</b>

Title of work	Analyses and New Designs of Digital Chaotic Ciphers
Name of awarding organization	Education Department of Shaanxi Provincial Government, China
Note	This thesis also received an Outstanding PhD Thesis Award of the Xi'an Jiaotong University in 2024.
Date	2000
Title of honor/award	2 <sup>nd</sup> Award for Improvements in Science and Technology, 5 <sup>th</sup> Awardee
Title of work	RA3900 II DSA (Digital Subtraction Angiography) System
Name of awarding organization	Ministry of Education, China
Note	This work also received awards from People's Government of Shaanxi Province (3 <sup>rd</sup> Award for Improvements in Science and Technology) in 2000, Education Department of Shaanxi Provincial Government, (2 <sup>nd</sup> Award for Improvements in Science and Technology) in 1999 and Xi'an Jiaotong University (1 <sup>st</sup> Award for Improvements in Science and Technology) in 1998.
<b>Research Grants (Ongoing)</b>	
Type	Consultancy project
Title of project	Unlocking Data
Funding amount	£105,089.59
Role	Co-I
Duration	02/2024 – 03/2026 (25.5 months)
Name of funding body	NHS England Kent-Medway-Sussex Sub-National Secure Data Environment (KMS SNSDE), UK
Type	Research project
Title of project	SaferVR: Investigating the Opportunities and Risks of Social Virtual Reality for Adults with Intellectual Disabilities
Funding amount	£71,039
Role	Co-I
Duration	10/2024 – 05/2025 (8 months)
Name of funding body	UKRI (UK Research and Innovation), UK via the UKRI-funded National Research Centre on Privacy, Harm Reduction and Adversarial Influence Online (REPHRAIN)
<b>Research Grants (Past)</b>	
Type	Research project
Title of project	LLM-Facilitated and Graph-Based Analysis of Relationships Between Organisations
Funding amount	£125,667.70
Role	Co-I
Duration	01/–04/2025 (~4 months)
Name of funding body	NCSC (National Cyber Security Centre, part of GCHQ) via the Alan Turing Institute's call on "Data Driven Cyber Research"
Type	Research project
Title of project	AISA4AI: AI-Assisted Security Analysis For Automotive Industry
Funding amount	£126,043.48
Role	PI
Duration	10/2023 – 12/2024 (15 months)
Name of funding body	Honda Research Institute Europe (HRI-EU), Germany
Type	Research project
Title of project	Safer online lives: use of the internet & social media by people with Intellectual Disabilities
Funding amount	£210,423
Role	Co-I

Duration	10/2020 – 04/2024 (43 months)
Name of funding body	NIHR (National Institute for Health Research) SSCR (School for Social Care Research), UK
Type	Research project
Title of project	Mobility as a service: MANaging Cybersecurity Risks across Consumers, Organisations and Sectors (MACRO)
Funding amount	£550,218 (Kent share £175,123; 80% fEC)
Role	Partner PI
Partners	Cranfield University (lead partner), University of Kent 5 investigators covering three different subjects: Computer Science, Management, Engineering
Duration	08/2021 – 02/2024 (30 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI)
Type	PhD studentship
Title of project	Smart Healthcare System with Federated Learning
Funding amount	€135,000
Role	Co-supervisor (UK)
Duration	10/2020 – 09/2023 (36 months)
Name of funding body	I-SITE ULNE (France) and University of Kent (UK)
Type	Research center grant
Title of project	Academic Centre of Excellence in Cyber Security Research – University of Kent
Amount	£64,602 (80% fEC)
Role	PI
Duration	10/2018 – 08/2023 (59 months)
Name of funding bodies	National Cyber Security Centre (NCSC), a part of Government Communications Headquarters (GCHQ), UK Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI)
Type	Research project
Title of project	PriVELT: PRiVacy-aware personal data management and Value Enhancement for Leisure Travellers
Funding amount	£1,133,288 (Kent share £429,069; 80% fEC)
Role	Consortium PI
Partners	University of Kent (lead partner), University of Surrey, University of Warwick 9 investigators covering five different subjects: Computer Science, Tourism and Hospitality Management, Business, Psychology, Law 8 partners from different sectors
Duration	10/2018 – 06/2023 (57 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI)
Type	Research project
Amount	Total funding amount of SFB/Transregio 161 €~8m (€350-400 for Subproject A05 – note that the whole SFB has two central funding pools shared among all 18 subprojects so the budget of our subproject cannot be accurately estimated)
Title of project	All funding goes to German institutes, with support for travels and research exchanges between Germany and UK SFB/Transregio (transregionalen Sonderforschungsbereiches, Transregional Collaborative Research Center in English) 161 “Quantitative Methods for Visual Computing” Subproject A05 – Image/Video Quality Assessment: From Test Databases to Similarity-Aware and Perceptual Dynamic Metrics
Role	International Co-I
Partners	Universität Konstanz, Germany (lead partner) University of Surrey, UK ⇒ University of Kent, UK MTA SZTAKI (Institute for Computer Science and Control), Budapest, Hungary
Duration	07/2015 – 06/2023 (96 months, two phases each 48 months)
Name of funding body	Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
Type	Innovation project

Title of project	Unconscious bias in hiring
Funding amount	£19,935.91
Role	Co-I
Duration	10/2022 – 01/2023 (4 months)
Name of funding body	Counter Terrorism Policing (CTP) University Innovation Concept (UIC) via Home Office Accelerated Capability Environment (ACE), UK
Type	PhD studentship
Title of project	Approaches and Technologies to Support Home Users' Engagement with Cyber Security
Funding amount	£115,153
Role	Secondary supervisor
Duration	01/2020 – 12/2022 (36 months)
Name of funding body	National Cyber Security Centre (NCSC), a part of GCHQ, UK
Type	Large application incentives fund
Title of project	Pre-university cyber security education for children and young people: Identifying research challenges
Funding amount	£9,316
Role	PI
Duration	11/2021 – 07/2022 (8 months)
Name of funding body	Division of Computing, Engineering and Mathematical Sciences (CEMS), University of Kent, UK
Type	Contracted research
Title of project	Design and analysis of an online survey on cyber security of schools in England and Wales
Funding amount	£2,926
Role	PI
Duration	02-04/2022 (~3 months)
Name of funding body	SWGfL, UK
Type	Innovation project
Title of project	A regular techwatch newsletter on cyber deception
Funding amount	Undisclosed
Role	Co-I
Duration	08/2020 – 03/2022 (20 months)
Name of funding body	Defence Science and Technology Laboratory (Dstl), UK
Type	Contracted research
Title of project	Cyber Security Risks of Net Zero Technologies
Funding amount	£5,000
Role	PI
Duration	02-03/2022 (~2 months)
Name of funding body	DCMS (Department for Digital, Culture, Media and Sport), UK Government
Type	Research project
Title of project	Developing cyber skills amongst young people
Funding amount	€50,000
Role	Co-I
Duration	06-12/2021 (7 months)
Name of funding management body	GFCE (Global Forum on Cyber Expertise), The Netherlands
Name of funding body	Global Affairs Canada
Type	Research project

Title of project	ACCEPT: Addressing Cybersecurity and Cybercrime via a co-Evolutionary aPproach to reducing human-relaTed risks
Funding amount	£880,980 (Surrey share £278,650; 80% fEC)
Role	Consortium PI
Partners	University of Kent (lead partner), University of Surrey, UCL, University of Warwick, Transport Research Lab Ltd, University of Birmingham, University of Exeter 9 investigators covering five different subjects: Computer Science, Crime Science, Business, Engineering, Behavioral Science 10+ members of Advisory Board from 7 different countries (including UK) 10+ stakeholder organizations from different sectors (including UK/EU law enforcement agencies, industrial partners and NGOs)
Duration	04/2017 – 12/2020 (45 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI)
Type	Research project
Title of project	Published PhD theses mapped to CyBOK 1.0
Funding amount	£2,500
Role	Co-I
Duration	04-05/2021 (2 months)
Name of funding body	National Cyber Security Centre (NCSC), UK through the CyBOK project
Type	PhD studentship
Title of project	Human-machine teaming for supporting human decision making to enhance security of cyber-physical systems
Requested funding	£87,000
Role	Co-supervisor (UK)
Partners	University of Kent, UK (lead partner); Télécom SudParis, Institut Mines-Telecom, France
Duration	10/2019 – 09/2022 (36 months; expired due to withdrawal of the named PhD candidate from the proposed project)
Name of funding body	Defence Science and Technology Laboratory (Dstl), UK
Type	Commercialization project
Title	Proof of Claim (PoC): A human-in-the-loop AI based solution for semantic information integrity
Funding amount	£12,981
Role	PI
Duration	04/2019 – 05/2019 (2 months)
Name of funding body	Innovate UK and Department for Digital, Culture, Media & Sport (DCMS) through Cyber Security Academic Startup Accelerator Programme (CyberASAP) Phase 1
Type	Research project
Title of project	Quantification of Human Errors in Cyber Security in the Nuclear Sector
Funding amount	£9,780 (100% fEC)
Role	Partner PI (University of Kent as a subcontractor)
Partners	Corporate Risk Associates Limited (CRA) (project lead) University of Kent (subcontractor) Synergy Consultants Limited (subcontractor) Data2Vault Ltd (subcontractor)
Duration	01/2018 – 12/2018 (~11 months)
Name of funding body	Innovate UK
Type	Impact acceleration project
Title of project	£23,052
Funding amount	PassInfinity: An “All in One” user authentication framework
Role	Co-PI
Duration	10/2017 – 05/2018 (8 months)

Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK through the University of Surrey's Impact Acceleration Account (IAA)
Type	Research project
Title of project	COMMANDO-HUMANS: COMputational Modelling and Automatic Non-intrusive Detection Of HUMAN behAviour based iNSecurity
Funding amount	£208,100 (80% fEC)
Role	PI
Partners	University of Surrey (lead partner) Singapore Management University (funded by Singapore's NRF separately, funding amount S\$416,021.20) Data61, CSIRO (formerly known as NICTA), Australia (unfunded partner) University of Split, Croatia (unfunded partner)
Duration	04/2016 – 04/2018 (25 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK
Type	Research project
Title of project	H-DLP: Human-assisted machine learning for bootstrapping DLP (data loss prevention) systems
Funding amount	£192,003 (£128,642 from Innovate UK and £63,361 from Clearswift Ltd)
Role	Knowledge Base Supervisor (equivalent to PI) from January – October 2017 and Scientific Advisor from November 2017
Partners	University of Surrey (academic knowledge base) Clearswift Ltd (company)
Duration	01/2017 – 01/2018 (12 months, terminated earlier due to relocation of the PI and the resignation of the Associate)
Name of funding body	Innovate UK through its KTP (Knowledge Transfer Partnership) programme Co-funded by the Department for Culture, Media & Sport (DCMS), UK
Type	Workshop grant
Title of project	Workshop on Hybrid Human-Machine Computing: Human Computation, Social Computing and Beyond
Funding amount	£3,500
Role	PI
Duration	02/2017 – 10/2017 (9 months)
Name of funding body	Institute for Advanced Studies (IAS), University of Surrey, UK
Type	Impact acceleration project
Title of project	£12,655
Funding amount	Living lab for password research: Impact generation research with IT Services
Role	PI
Duration	06/2017 – 08/2017 (3 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK through the University of Surrey's Impact Acceleration Account (IAA)
Type	Research center grant
Title of project	Academic Centre of Excellence in Cyber Security Research – University of Surrey
Funding amount	£81,966 (80% fEC)
Role	Co-I
Duration	07/2017 – 06/2022 (60 months) (Shujun left the University of Surrey in 11/ 2017, so since then he has not been involved in this research center grant as a CI.)
Name of funding bodies	National Cyber Security Centre (NCSC), a part of Government Communications Headquarters (GCHQ), UK Engineering and Physical Sciences Research Council (EPSRC), UK
Type	Research center grant
Title of project	Academic Centre of Excellence in Cyber Security Research – University of Surrey
Funding amount	£19,942.40 (80% fEC)
Role	Co-I



Duration	07/2015 – 06/2017 (24 months)
Name of funding body	Government Communications Headquarters (GCHQ), UK Engineering and Physical Sciences Research Council (EPSRC), UK
Type	Commercialization project
Title of project	Password+
Funding amount	£~34k for market research
Role	PI
Duration	01/2017 – 03/2017 (3 months)
Name of funding body	Department for Culture, Media & Sport (DCMS) and Innovate UK through SETsquared Partnership's Cyber Security ICURe (Innovation to Commercialisation of University Research) Programme
Type	Research equipment procurement
Title of project	Eyes Can Tell: Applications of Eye-tracking Devices in Cyber Security Research
Funding amount	£19,392 for purchasing a high-end eye-tracker and supporting software
Role	PI
Duration	10/2016 – 03/2017
Name of funding body	Government Communications Headquarters (GCHQ), UK
Type	Research project
Title of project	POLARBEAR – Pattern Of Life ANPR Behaviour Extraction Analysis and Recognition
Funding amount	£149,349 (80% fEC for the University of Surrey; total funding amount £329,453)
Role	PI
Partners	Thales UK Ltd (project lead) University of Surrey (academic partner) HPC Wales (withdrew before the project end) Surrey Police (unfunded partner)
Duration	10/2014 – 03/2016 (18 months)
Name of funding body	Innovate UK – Technology Strategy Board (TSB), UK
Type	Research project
Title of project	A novel scheme for countering unauthorised usage of digital media content (Phase III)
Funding amount	£74,408
Role	PI
Duration	10/2014 – 03/2015 (6 months)
Name of funding body	Intellectual Property Office (IPO), UK, through the SBRI (Small Business Research Initiative) Programme of the Innovate UK – Technology Strategy Board (TSB)
Type	Research project
Title of project	A novel scheme for countering unauthorised usage of digital media content (Phase II)
Funding amount	£83,529
Role	PI
Duration	06/2013 – 01/2014 (8 months)
Name of funding body	Intellectual Property Office (IPO), UK, through the SBRI (Small Business Research Initiative) Programme of the Innovate UK – Technology Strategy Board (TSB)
Type	Research project
Title of project	Mobile Magic Mirror (M3): Steganography and Cryptography on the move
Funding amount	£59,672
Role	PI
Duration	07/2014-11/2014 (~4 months)
Name of funding body	Defence Science and Technology Laboratory (Dstl), UK, through the SBRI (Small Business Research Initiative) Programme of the Innovate UK – Technology Strategy Board (TSB)

Type	Feasibility Research Project
Title of project	Forensic multi-vehicle convoy analysis for investigating organised crimes
Funding amount	£10,561.32
Role	PI
Duration	03/2013 – 12/2013 (~10 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK Through MILES (Models and Mathematics in Life and Social Sciences) Programme
Type	Feasibility Research Project
Title of project	Audio-visual cues based attention switching for machine listening
Funding amount	£9,499.60
Role	Co-I
Duration	12/2012 – 12/2013 (~13 months)
Name of funding body	MILES (Models and Mathematics in Life and Social Sciences) Programme, funded by Engineering and Physical Sciences Research Council (EPSRC), UK
Type	Conference travel grant
Amount	£1,638
Conference	20 <sup>th</sup> IEEE International Conference on Image Processing (ICIP 2013)
Time	09/2013
Names of funding bodies	Faculty of Engineering and Physical Sciences (FEPS) and Department of Computing, University of Surrey, UK
Type	Research equipment procurement
Equipment	X-Rite i1 Publish Pro 2 (Color Spectrometer)
Funding amount	£1,739.88
Date	10/2012
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK As part of University of Surrey's proposal to EPSRC call "Upgrading the small scale equipment base for early career researchers in the Engineering and Physical Sciences"
Type	International Exchange Program
Title of project	Dynamical degradation of chaotic systems in digital domain
Funding amount	£9,000
Role	PI
Partners	University of Surrey (UK partner) and Xiangtan University (China Partner)
Duration	03/2012 – 03/2014 (24 months)
Name of funding body	UK funder: The Royal Society China funder: National Natural Science Foundation of China (NSFC), funding amount 64,800 CNY
Type	Research project
Title of project	Digital forensics: scenarios and standards
Funding amount	£32,511
Role	Co-I
Duration	12/2011 – 05/2012 (6 months)
Name of funding body	Home Office, UK
Type	Research scholarship
Funding program	MINT-Sofortprogramm (Mathematik, Informatik, Naturwissenschaften und Technik) 2009/2010
Title of project	Video quality assessment
Funding amount	€11,280
Purpose	For supporting one PhD student
Role	Co-supervisor

Duration	03/2010 – 02/2011 (12 months)
Name of funding body	Ministry of Science, Research and Art (Ministerium für Wissenschaft, Forschung und Kunst), Baden-Württemberg, Germany
Type	Cooperation promotion grant
Purpose	Promoting cooperation with Dr Marco Mattavelli's group at the EPFL, Switzerland
Funding amount	€3,208
Duration	12/2009 – 05/2010 (6 months)
Name of funding body	Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Research software procurement
Funding program	Reinvestment Program 2009
Software	Vega H.264 Stream Analyzer
Funding amount	US\$29,500
Date	12/2009
Name of funding body	Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Research equipment procurement
Equipment	Crossbow IMOTE2 Hardware Buddle / Amontec JTAGkey-Tiny
Funding amount	€1,344
Date	12/2009
Name of funding body	Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Research project
Title of project	Development of a system for fully digitized performance measurement of video capturing devices
Funding amount	€151,276
Role	Co-I
Duration	09/2009 – 04/2011 (20 months)
Name of funding body	Federal Ministry of Economics and Technologies (Bundesministerium für Wirtschaft und Technologie, BMWi), Germany (Renamed to Federal Ministry of Economic Affairs and Energy / Bundesministerium für Wirtschaft und Energie in 2013, acronym remains BMWi)
Type	Research project
Title of project	Secure multimedia computing
Funding amount	€29,400
Role	Sole PI
Duration	07/2009 – 06/2010 (12 months)
Name of funding body	Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Conference travel grants
Conferences	13 <sup>th</sup> ACM Workshop on Multimedia and Security (ACM MM&Sec 2011) 18 <sup>th</sup> IEEE International Conference on Image Processing (ICIP 2011) 95 <sup>th</sup> to 98 <sup>th</sup> MPEG Meetings in 2011 7 <sup>th</sup> Symposium On Usable Privacy and Security (SOUPS 2011) 15 <sup>th</sup> International Conference on Financial Cryptography and Data Security (FC 2011) 2 <sup>nd</sup> International Conference on Trusted Systems (INTRUST 2010) 26 <sup>th</sup> Annual Computer Security Applications Conference (ACSAC 2010) 94 <sup>th</sup> MPEG Meeting (October 2010) 17 <sup>th</sup> IEEE International Conference on Image Processing (ICIP 2010) 35 <sup>th</sup> IEEE International Conference on Communications (ICC 2010) 14 <sup>th</sup> International Conference on Financial Cryptography and Data Security (FC 2010)

Funding amount	25 <sup>th</sup> Annual Computer Security Applications Conference (ACSAC 2009) 4 <sup>th</sup> APWG eCrime Researchers Summit (eCRS 2009) €20,387
Name of funding body	Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Research Fellowship
Title of fellowship	Zukunftskolleg Fellowship (Junior Group Leader Position)
Funding amount	Five-year full-time position in the salary group TV-L 14 plus €3,000 annual research allowance and €5,000 for recruiting student assistants in the first 1.5 years
Duration	07/2008 – 06/2013 (60 months) (Left in August 2011 to take a Senior Lectureship in the UK)
Name of funding body	Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Research Fellowship
Title of fellowship	Humboldt Research Fellowship
Funding amount	Full fellowship for 16 months plus some other financial support including mobility allowance, marital allowance, subsidy towards the cost of medical and liability insurance, costs for a two-month intensive German class
Duration	03/2007 – 06/2008 (16 months)
Name of funding body	Alexander von Humboldt Foundation, Germany
Type	The University's Postdoctoral Fellowship
Funding amount	HK\$600,000
Duration	06/2005 – 06/2007 (24 months) (Resigned in January 2007 to take the above Humboldt Research Fellowship in Germany)
Name of funding body	The Hong Kong Polytechnic University, China
<b>Teaching Experience</b>	
Title of course	Information Security Management
Terms	2021-25 (Spring Term)
Reference number	COMP8340/COMP6660/COMP6644
Language of instruction	English
Responsibility	Module convenor and co-instructor (with one or two other co-instructors)
Targeted students	MSc students (2021-25), and UG students (2022-25)
Name of educational organization	School of Computing, University of Kent, UK
Title of course	Privacy
Terms	2021-25 (Autumn Term)
Reference number	COMP8240
Language of instruction	English
Responsibility	Module convenor and co-instructor (with another co-instructor)
Targeted students	MSc students
Name of educational organization	School of Computing, University of Kent, UK
Title of course	Computer Security
Terms	2018-21 (Autumn Term)
Reference number	CO876
Language of instruction	English
Responsibility	Module convenor and co-instructor (with another co-instructor)
Targeted students	MSc students

Name of educational organization	School of Computing, University of Kent, UK
Title of course	Security, Privacy and Trust Management (formerly titled "Trust, Security and Privacy Management")
Terms	2017-21 (Spring Term)
Reference number	CO834/COMP8340
Language of instruction	English
Responsibility	Module convenor and co-instructor (with one or two other co-instructors)
Targeted students	MSc students
Name of educational organization	School of Computing, University of Kent, UK
Title of course	Cyber Law
Terms	2018-21 (Autumn Term)
Reference number	CO841
Language of instruction	English
Responsibility	Module convenor (for administrative purposes only; lecturers delivered by the Kent Law School)
Targeted students	MSc students
Name of educational organization	School of Computing, University of Kent, UK
Title of course	Multimedia Security and Digital Forensics
Terms	2014-17 (Spring Semester)
Reference number	COMM046
Language of instruction	English
Responsibility	Sole instructor
Targeted students	MSc students and visiting UG students
Name of educational organization	Department of Computer Science (formerly known as Department of Computing), University of Surrey, UK
Title of course	Secure Systems and Applications
Terms	2014-25 (Spring Semester)
Reference number	COMM047
Language of instruction	English
Responsibility	Module coordinator in 2015-2016 Co-instructor (jointly with 3 other co-instructors) in 2014-15 and 2016-17 Guest lecturer in 2018-25 (for the lecture and lab session on Usable Security)
Targeted students	MSc students and visiting UG students
Name of educational organization	Department of Computer Science (formerly known as Department of Computing), University of Surrey, UK
Title of course	Web Publishing and Databases
Terms	2011-13 (Spring Semester), 2013-17 (Winter Semester)
Reference number	COM1025
Language of instruction	English
Responsibility	2011-12 (Spring Semester) and 2013-16 (Winter Semester): Sole instructor 2012-13 (Spring Semester): Co-instructor and module coordinator
Targeted students	Year-1 UG students
Name of educational organization	Department of Computer Science (formerly known as Department of Computing), University of Surrey, UK
Title of course	Introduction to Multimedia Security
Terms	2011-12 (Winter Semester), 2013-14 (Winter Semester)
Reference number	COMM023

Language of instruction	English
Responsibility	2011-12 (Winter Semester): Sole instructor 2013-14 (Winter Semester) : Co-instructor and module coordinator
Targeted students	MSc students
Name of educational organization	Department of Computer Science (formerly known as Department of Computing), University of Surrey, UK
Title of course	Advanced Algorithms
Terms	2011-12 (Winter Semester)
Reference number	COM2030
Language of instruction	English
Responsibility	Co-instructor
Targeted students	Year-2 UG students
Name of educational organization	Department of Computer Science (formerly known as Department of Computing), University of Surrey, UK
Title of course	Multimedia Coding
Terms	2009-10 (Spring Semester)
Reference number	INF-10845-20091
Language of instruction	English
Responsibility	Sole instructor
Targeted students	Master's students and senior UG students
Name of educational organization	Department of Computer and Information Science, Universität Konstanz, Germany
<b>PhD Supervision and Examination</b>	
As principal supervisor	<ol style="list-style-type: none"> <li>1. Temesgen Kitaw Damenu, University of Kent, UK (2023-present)</li> <li>2. Enes Altuncu, University of Kent, UK (2019-present, awarded in 2025)</li> <li>3. Nandita Pattnaik, University of Kent, UK (2020-24, awarded in 2024)</li> <li>4. Mohamad Imad Mahaini, University of Kent, UK (2018-24, awarded in 2024)</li> <li>5. Sharifah Roziah Binti Mohd Kassim, University of Kent, UK (2020-24, awarded in 2024)</li> <li>6. Ali Raza, University of Kent, UK &amp; University of Lille, France (Lille-Kent dual-award / cotutelle PhD, 2020-23, awarded in 2023)</li> <li>7. Saeed Ibrahim Saeed Alqahtani, University of Surrey, UK (2014-19, awarded in 2019)</li> <li>8. Nouf Aljaffan, University of Surrey, UK (2013-17, awarded in 2017)</li> <li>9. Junaid Jameel Ahmad, Universität Konstanz, Germany (2009-12, awarded in 2013)</li> </ol>
As co-supervisor or a secondary supervisor	<ol style="list-style-type: none"> <li>1. Adel Elzemity, University of Kent, UK (2023-present)</li> <li>2. James Kavanagh, University of Kent, UK (2023-present)</li> <li>3. Danni Zhang, Northeastern University London &amp; University of Kent, UK (2023-present)</li> <li>4. Ramsha Ashraf, Northeastern University London &amp; University of Kent, UK (2023-present)</li> <li>5. Keenan Jones, University of Kent, UK (2020-24)</li> <li>6. Sarah Turner, University of Kent, UK (2020-23, awarded in 2023)</li> <li>7. Franziskus Kiefer, University of Surrey, UK (2013-16, awarded in 2016)</li> <li>8. Aamo Iorliam, University of Surrey, UK (2015-16, started in 2013, awarded in 2016)</li> <li>9. Areej Alfrah, University of Surrey, UK (2014-15, started in 2011, awarded in 2015)</li> <li>10. Kongfeng Zhu, Universität Konstanz, Germany (2010-11, stopped being co-supervisor after moving to Surrey in 09/2011, awarded in 2013)</li> <li>11. Rajib Ahsan, Universität Konstanz, Germany (2010-11, moved to industry in 2012 before completion)</li> </ol>
As external examiner: in the UK (15)	<ul style="list-style-type: none"> <li>• 2024: University of Liverpool</li> <li>• 2024: King's College London</li> <li>• 2023: Lancaster University</li> <li>• 2022: King's College London; Northumbria University; De Montfort University</li> <li>• 2020: Imperial College London; University of Sheffield; Newcastle University; De Montfort University</li> <li>• 2018: University of Manchester; University of Warwick</li> <li>• 2017: City, University of London; Cardiff University; University of Hertfordshire</li> <li>• 2016: City, University of London</li> </ul>

As chair of defense committee: outside of the UK (1)	<ul style="list-style-type: none"> <li>2022: Nanjing University of Posts and Telecommunications (China)</li> </ul>
As external examiner: outside of the UK (7)	<ul style="list-style-type: none"> <li>2023: B. S. Abdur Rahman Crescent Institute of Science and Technology (India); NIT Sikkim (India)</li> <li>2022: University of South Africa</li> <li>2021: Macquarie University (Australia)</li> <li>2020: University of Calgary (Canada)</li> <li>2019: Macquarie University (Australia)</li> <li>2015: Universidad Autónoma de Madrid / UAM, Autonomous University of Madrid (Spain)</li> </ul>
As internal examiner of final thesis in the UK (4)	<ul style="list-style-type: none"> <li>2025: University of Kent</li> <li>2013, 2015, 2016: University of Surrey</li> </ul>
<b>Managerial and Administrative Roles</b>  As HEI trustee	<ul style="list-style-type: none"> <li><b>Elected Member (one of two representatives elected by all academic and research staff), Council, University of Kent, UK: 08/2024-07/2027</b></li> </ul>
As senior manager	<ul style="list-style-type: none"> <li><b>Director, Institute of Cyber Security for Society (iCSS), University of Kent, UK: 01/2021-present</b></li> <li><b>Director, Kent Interdisciplinary Research Centre in Cyber Security (KirCCS), University of Kent, UK: 11/2017-12/2020</b></li> <li><b>Head, Cyber Security Research Group, School of Computing, University of Kent, UK: 11/2017-present</b></li> <li>Deputy Director, Surrey Centre for Cyber Security (SCCS), University of Surrey: 07/2014-10/2017</li> <li>Director of PGR (PhD) Studies, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey: 12/2014-10/2017</li> </ul>
As administrative coordinator	<ul style="list-style-type: none"> <li>Website and Mailing Lists Coordinator, Surrey Centre for Cyber Security (SCCS), University of Surrey, UK: 07/2014-10/2017</li> <li>Website Coordinator, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey, UK: 09/2011-10/2017</li> <li>Website Coordinator, Surrey-China Academics Network (SCAN), University of Surrey, UK: 06/2016-10/2017</li> <li>PhD Admissions Tutor, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey, UK: 12/2014-10/2017</li> <li>MSc Admissions Tutor, Department of Computing, University of Surrey, UK: 05/2012-09/2013</li> <li>Departmental Seminar Series Organiser, Department of Computing, University of Surrey, UK: 09/2011-03/2012</li> </ul>
As member of management-oriented committees and bodies	<ul style="list-style-type: none"> <li>Member, Central Research Ethics Advisory Group (CREAG), University of Kent, UK: 02/2021-present</li> <li>Member, Research and Innovation Committee (as Head of Research Group), Division of Computing, Engineering and Mathematical Sciences (CEMS) (School of Computing before the Division was established), University of Kent, UK: 11/2017-present</li> <li>Member, School Promotion Panel (as Full Professor), School of Computing, University of Kent, UK: 11/2017-07/2020</li> <li>Member, Management Committee, Surrey-China Academics Network (SCAN), University of Surrey, UK: 06/2016-10/2017</li> <li>Member, University Ethics Committee, University of Surrey, UK: 05/2015-10/2017</li> <li>Member, Law Enforcement, Defence and Security (LEDS) Network, University of Surrey, UK: 07/2012-10/2017</li> <li>Member, Faculty IT Governance Group, Faculty of Engineering and Physical Sciences (FEPS), University of Surrey, UK: 02/2014-10/2017</li> <li>Member, Research Management Committee, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey, UK: 12/2014-10/2017</li> <li>Member, Policy and Strategy Committee, Department of Computing, University of Surrey, UK: 12/2014-06/2015</li> <li>Member, MSc Teaching Management Committee, Department of Computing, University of Surrey, UK: 06/2013-06/2015</li> </ul>
<b>Professional Activities</b>  Learned societies: leadership roles	<ul style="list-style-type: none"> <li><b>A planned learned society in cyber security research, as part of the EPSRC-funded CRANE NetworkPlus (2025-30): Key Initiator and Main Coordinator (01/2024-present)</b> The activities started shortly after the EPSRC pre-announced a call for setting up a NetworkPlus for strengthening the UK's cyber security research ecosystem in 12/2024. See <a href="#">a news story from Oxford Computer Science Department</a> for some publicly disclosed details. The CRANE NetworkPlus is to be launched later in 2025.</li> </ul>

	<ul style="list-style-type: none"> <li>• <a href="#">Association of British Chinese Professors (ABCP, 全英华人教授协会)</a>: Director and Vice President for IT &amp; Governance (05/2024-present); Director and Vice President for IT &amp; External Liaison (08/2021-05/2024); Co-Founder, Director and Vice President for Internal Communications &amp; Public Relations (06/2018-08/2021)</li> </ul>
Scientific journal: As editorial board member	<ul style="list-style-type: none"> <li>• <a href="#">IEEE Transactions on Dependable and Secure Computing</a> (Associate Editor, 2021-present)</li> <li>• <a href="#">Journal of Surveillance, Security and Safety</a> (Editorial Board Member, 2022-present)</li> <li>• <a href="#">Journal of Cyber Security and Mobility</a> (Editorial Board Member, 2016-present)</li> <li>• <a href="#">Journal of Visual Communication and Image Representation</a> (Editorial Board Member, 2012-25)</li> <li>• <a href="#">Journal of Information Security and Applications</a> (formerly known as <a href="#">Information Security Technical Report</a> before May 2013, Editorial Board Member, 2012-21)</li> <li>• <a href="#">EAI Endorsed Transactions on Security and Safety</a> (Editorial Board Member, 2017-21)</li> <li>• <a href="#">Heliyon</a> (Editorial Board Member, 2015-2018)</li> <li>• <a href="#">International Journal of Bifurcation and Chaos</a> (Associate Editor, 2012-2014; Guest Associate Editor, 2010-2011)</li> </ul>
Scientific journal: As special issue guest editor	<ul style="list-style-type: none"> <li>• Kovila Coopamootoo, <b>Shujun Li</b>, Michael Sirivianos, Pavlos S. Efraimidis, George Drosatos and Marios Anagnostopoulos, <a href="#">International Journal of Information Security, Special Issue on Interdisciplinary Perspectives for Socio-Technical Cybersecurity Threats</a>, Springer Nature, 2024-25 (papers published as they were accepted so do not appear in a single volume or issue)</li> <li>• Guangjie Liu, Weiwei Liu, <b>Shujun Li</b> and Jinwei Wang, <a href="#">Security and Communication Networks, Special Section on Intelligent Network Traffic Analysis</a>, Hindawi, 2021-22 (papers published as they were accepted so do not appear in a single volume or issue)</li> <li>• Guorui Feng, Sheng Li, Haoliang Li and <b>Shujun Li</b>, <a href="#">Multimedia Systems, Special Issue on Low Complexity Methods for Multimedia Security</a>, 27(3):303-415, Springer, 2021</li> <li>• <b>Shujun Li</b>*, Willy Susilo and Wei Wang, <a href="#">Computers &amp; Security, Special Issue on Privacy in Computing with Big Data and AI</a>, Elsevier, 2020 (papers published in multiple volumes)</li> <li>• Fagen Li*, <b>Shujun Li</b>*, Fuchun Guo, Tsuyoshi Takagi, Mingwu Zhang and Lein Harn, <a href="#">Journal of Information Security and Applications, Special Issue on New Frontiers in Cyber Security</a>, Elsevier, 2019</li> <li>• <b>Shujun Li</b>*, Michael Levi, David Maimon, Kim-Kwang Raymond Choo and Gianluca Stringhini, <a href="#">Crime Science: An Interdisciplinary Journal, Special Section on Cybercrime: interdisciplinary approaches to cutting crime and victimisation in cyber space</a>, BioMed Central Ltd, 2018-2019 (papers published as they were accepted so do not appear in a single volume or issue)</li> <li>• Anderson Rocha*, <b>Shujun Li</b>, C.-C. Jay Kuo, Alessandro Piva and Jiwu Huang, <a href="#">Journal of Visual Communication and Image Representation, Special Section on Data-driven Multimedia Forensics and Security</a>, Elsevier, 2018 (papers published as they were accepted so do not appear in a single volume or issue)</li> <li>• Ding Wang*, <b>Shujun Li</b> and Qi Jiang, <a href="#">Security and Communication Networks, Special Issue on User Authentication in the IoE Era: Attacks, Challenges, Evaluation, and New Designs</a>, John Wiley &amp; Sons, Inc. and Hindawi, 2018 (papers published as they were accepted so do not appear in a single volume or issue)</li> <li>• <b>Shujun Li</b>*, Konrad Rieck and Alan Woodward, <a href="#">Journal of Information Security and Applications, Special Section on Threat Detection, Analysis &amp; Defense</a>, 19(3):163-244, 2014</li> <li>• <b>Shujun Li</b>* and Edgar Weippl, <a href="#">Information Security Technical Report</a> (renamed to <a href="#">Journal of Information Security and Applications</a> in May 2013), <a href="#">Special Issue: ARES 2012 7th International Conference on Availability, Reliability and Security</a>, 17(4):129-252, 2013</li> </ul>
As member of advisory bodies	<ul style="list-style-type: none"> <li>• <a href="#">KMCC (Kent &amp; Medway Cyber Cluster Ltd)</a>: Co-Founder and Chair of Steering Group (2023-)</li> <li>• <a href="#">KMCS3 (Kent &amp; Medway Cyber Security Student Society)</a>, UK: Chair of Steering Group (2024-25); Co-Founder and Member of Steering Group (2023-24)</li> <li>• <a href="#">NHS England KMS SDE (Kent, Medway and Sussex Secure Data Environment for research)</a>: Member of Steering Group (2022-23), Member of Research Advisory Group (2024-)</li> <li>• <a href="#">KM RIC (FutureNHS Kent and Medway Research &amp; Innovation Collaborative)</a>, UK: Member of Steering Group (2024-)</li> <li>• <a href="#">SocialSec (International Symposium on Security and Privacy in Social Networks and Big Data)</a>: Member of Steering Committee (2023-)</li> <li>• <a href="#">ASIET (Adi Shankara Institute of Engineering &amp; Technology)</a>, India: Member of Advisory Board (2023-)</li> <li>• <a href="#">CBIT (Centre for Business and Industry Transformation)</a>, Nottingham Trent University, UK: Member of Academic Advisory Board (2022-)</li> <li>• <a href="#">UK-SPS (Cyber Security &amp; Privacy Seminar Series)</a>: Member of Steering Committee (2021-)</li> <li>• <a href="#">CYBERNOMICS</a> (journal): Member of International Advice Giving Panel (2020-)</li> <li>• <a href="#">ARES (International Conference on Availability, Reliability and Security)</a>: Member of Steering Committee (2019-)</li> </ul>



	<ul style="list-style-type: none"> <li>• EPSRC funded <a href="#">SPRITE+ (Security, Privacy, Identity and Trust Engagement NetworkPlus)</a>: Expert Fellow (2019-)</li> <li>• EU funded H2020 project <a href="#">TRESCA (Trustworthy, Reliable and Engaging Scientific Communication Approaches)</a>: Member of Advisory Board (2020-23)</li> <li>• EU funded H2020 project <a href="#">SIMARGL (Secure Intelligent Methods for Advanced Recognition of Malware and Stegomalware)</a>: Member of Advisory Board (2019-22)</li> <li>• <a href="#">HKIE (Hong Kong Institution of Engineers)</a>: Member of Transactions International Advisors (TIA) (2018-2023)</li> <li>• EPSRC and NCSC funded <a href="#">RISCS (Research Institute in Science of Cyber Security)</a>: Member of Scientific Board (2018-2022)</li> <li>• <b>CyberTECHTalents 2019</b>, London Cyber Event: Member of Steering Committee</li> </ul>
Services for higher education sector	<ul style="list-style-type: none"> <li>• REF2029 mock reviewer, University of Gloucestershire (2025)</li> <li>• Promotion Application Assessor (Senior Lecturer), University of Essex (2025)</li> <li>• External Examiner of UG Information Security programmes, Royal Holloway, University of London (2020-24)</li> <li>• Promotion Application Assessor (Professor), Universiti Sains Malaysia, Penang, Malaysia (2024)</li> <li>• External Assessor, Professorship in Cybersecurity, De Montfort University (2024)</li> <li>• Promotion Application Assessor (Reader), Edge Hill University (2024)</li> <li>• External Member of Selection Panel, Lecturer/Assistant Professor in Cybersecurity and Privacy, Cyprus University of Technology, Cyprus (2023)</li> <li>• External Assessor, Professorship/Readership in Cybersecurity, Newcastle University (2022)</li> <li>• External Member of Selection Panel of Professorship in Cyber Security, Swansea University (2022)</li> <li>• Promotion Application Assessor (Reader in Cyber Security), Cardiff University (2022)</li> <li>• Promotion Application Assessor (Reader), Royal Holloway, University of London (2022)</li> <li>• Promotion Application Assessor (Associate Professor x 2), Higher Colleges of Technology (HCT), UAE (2022)</li> <li>• External Examiner of Advanced MSc Computer Science Programmes, Birkbeck College, University of London (2016-20)</li> <li>• Promotion Application Assessor (Professor), University of Greenwich (2020)</li> <li>• REF 2021 External Assessor, University of Leeds (2020)</li> <li>• REF 2021 External Assessor, Edinburgh Napier University (2019-20)</li> <li>• Promotion Application Assessor (Professor), University of Jordan (2019)</li> <li>• External Member of Validation Panel of MSc Cyber Security Programme, University of the West England, Bristol, UK (2017)</li> </ul>
External roles at other research institutions, centers and groups	<ul style="list-style-type: none"> <li>• Universität Konstanz, Germany: Research Alumni Ambassador (2014-)</li> <li>• Center for Cyber Security and International Relations Studies (CCSIRS), <a href="#">Interdepartmental Center for Strategic, International and Entrepreneurial Studies (CSSII)</a>, Department of Political Sciences, University of Florence, Italy: International Member (2019-)</li> <li>• <a href="#">Centre for Chaos and Complex Networks (CCCC)</a>, City University of Hong Kong, China: Associate Member (2005-19)</li> </ul>
Research grants/Awards: As evaluator	<ul style="list-style-type: none"> <li>• <a href="#">Engineering and Physical Sciences Research Council (EPSRC)</a>, <a href="#">UK Research and Innovation (UKRI)</a>, UK: 2014-present <ul style="list-style-type: none"> <li>◦ Member of EPSRC Peer Review College: 2017-present</li> <li>◦ Member of EPSRC Associate Peer Review College: 2016-17</li> </ul> </li> <li>• <a href="#">UK Research and Innovation (UKRI)</a>, UK <ul style="list-style-type: none"> <li>◦ Member of <a href="#">Interdisciplinary Assessment College</a> for UKRI cross council calls: 2023-25</li> <li>◦ <a href="#">REPHRAIN (National Research Centre on Privacy, Harm Reduction and Adversarial Influence Online)</a>: 2021, 2023</li> <li>◦ <a href="#">DiSCribe Hub+</a>: 2020</li> </ul> </li> <li>• <a href="#">Economic and Social Research Council (ESRC)</a>, <a href="#">UK Research and Innovation (UKRI)</a>, UK <ul style="list-style-type: none"> <li>◦ Standard grants: 2021 and 2023</li> <li>◦ <a href="#">CREST (The UK's hub for behavioural and social science research into security threats)</a>: 2017</li> </ul> </li> <li>• <a href="#">DSIT (Department for Science, Innovation and Technology)</a>, UK <ul style="list-style-type: none"> <li>◦ <a href="#">Cyber Local 2025-2026</a> South East Regional Steering Group for endorsing Eols for the call: 2025</li> </ul> </li> <li>• <a href="#">British Council</a>, UK: 2019 (Newton Fund – Newton Prize), 2020 (Newton Fund – Newton Prize), 2022 (UK-ASEAN ECRs)</li> <li>• <a href="#">NSERC (Natural Sciences and Engineering Research Council of Canada)</a>: 2023-24</li> <li>• <a href="#">Research &amp; Innovation Foundation (RIF)</a>, Cyprus: 2021-23</li> <li>• <a href="#">Research Council of Norway (RCN)</a>: 2022</li> <li>• National Awards for Excellent Self-funded Research Students (UK as a first-stage country), China Scholarship Council (国家优秀自费留学生奖学金评选, 英国作为第一轮选区之一): 2019 and 2021</li> <li>• FRIAS COFUND Fellowship Programme (FCFP) Fellowships, <a href="#">Freiburg Institute for Advanced Studies (FRIAS)</a>, <a href="#">University of Freiburg</a>, Germany: 2019/20</li> </ul>

	<ul style="list-style-type: none"> <li>• <a href="#">CPHC-BCS Distinguished Dissertation in Computer Science</a>, CPHC and BCS, UK: 2018</li> <li>• <a href="#">Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek – Vlaanderen, FWO)</a>, Belgium: 2013</li> <li>• <a href="#">Schweizerischen Akademie der Technischen Wissenschaften (SATW, Swiss Academy of Engineering Sciences)</a> "PHC Germaine de Staël" research funding programme: 2011-12</li> <li>• <a href="#">Swiss National Science Foundation (SNSF)</a>: 2011</li> <li>• Independent Research Start-up Grant (IRSG), <a href="#">Zukunftskolleg, University of Konstanz</a>, Germany: 2011</li> <li>• <a href="#">HKIE (The Hong Kong Institution of Engineers)</a>: Outstanding Paper Award 2006</li> </ul>
Scientific conferences and workshops: As general (co-)chair / TPC (technical program committee) (co-)chair	<ul style="list-style-type: none"> <li>• <b>PCDS 2025</b> (11<sup>th</sup> IEEE International Conference on Privacy Computing and Data Security): General Co-Chair</li> <li>• <b>EICC 2024</b> (5<sup>th</sup> European Interdisciplinary Cybersecurity Conference): Conference Chair</li> <li>• <b>PCDS 2024</b> (10<sup>th</sup> IEEE International Conference on Privacy Computing and Data Security) @ 2024 10<sup>th</sup> IEEE Smart World Congress: General Co-Chair</li> <li>• <b>NSS 2023</b> (17<sup>th</sup> International Conference on Network and System Security) and <b>SocialSec 2023</b> (9<sup>th</sup> International Symposium on Security and Privacy in Social Networks and Big Data): NSS 2023 TPC Co-Chair and NSS-SocialSec 2023 Publication Chair</li> <li>• <b>PCDS 2023</b> (9<sup>th</sup> IEEE International Conference on Privacy Computing and Data Security) @ 2023 9<sup>th</sup> IEEE Smart World Congress: TPC Co-Chair</li> <li>• <b>EAI SaSeIoT 2023</b> (7<sup>th</sup> EAI International Conference on Safety and Security in Internet of Things): General Co-Chair</li> <li>• <b>MedAI 2023</b> (1<sup>st</sup> International Conference on Medical Artificial Intelligence): Area Chair for Trustworthy AI</li> <li>• <b>ICICS 2022</b> (24<sup>th</sup> International Conference on Information and Communications Security): General Co-Chair</li> <li>• <b>IEEE DSC 2022</b> (5<sup>th</sup> IEEE Conference on Dependable and Secure Computing): TPC Co-Chair (Main Track)</li> <li>• <b>EAI SPNCE 2022</b> (5<sup>th</sup> EAI International Conference on Security and Privacy in New Computing Environments): TPC Co-Chair</li> <li>• <b>EAI SecureComm 2021</b> (17<sup>th</sup> EAI International Conference on Security and Privacy in Communication Networks): General Co-Chair</li> <li>• <b>MPS 2020</b> (3<sup>rd</sup> International Workshop on Multimedia Privacy and Security): General Co-Chair and TPC Co-Chair</li> <li>• <b>ARES 2019</b> (14<sup>th</sup> International Conference on Availability, Reliability and Security): General Chair</li> <li>• <b>PriCom 2019</b> (5<sup>th</sup> International Symposium on Privacy Computing): General Co-Chair and TPC Co-Chair</li> <li>• <b>ATC 2019</b> (15<sup>th</sup> IEEE Advanced and Trusted Computing) @ <b>Smart World Congress 2019</b>: Program Co-Chair</li> <li>• <b>MPS 2018</b> (2<sup>nd</sup> International Workshop on Multimedia Privacy and Security) @ <b>ACM CCS 2018</b>: General and TPC Co-Chair</li> <li>• <b>CyberSciTech 2018</b> (3<sup>rd</sup> IEEE Cyber Science and Technology Congress): TPC Co-Chair (Track 1: Cyberspace &amp; Cyber Security)</li> <li>• <b>HHMC 2017</b> (Workshop on Hybrid Human-Machine Computing: From Human Computation to Social Computing and Beyond): General Chair and TPC Co-Chair</li> <li>• <b>SPCPS 2017</b> (Workshop on Security and Privacy in Cyber-Physical Systems) @ <b>IEEE CYBCONF 2017</b> (3<sup>rd</sup> IEEE International Conference on Cybernetics): General Chair and TPC Co-Chair</li> <li>• <b>PRACTICE 2017</b> (Workshop on PRactical Applications of CogniTIve Computing in Emerging topics) @ <b>IEEE CYBCONF 2017</b> (3<sup>rd</sup> IEEE International Conference on Cybernetics): General Chair and TPC Co-Chair</li> </ul>
Scientific conferences and workshops: As organizing committee member	<ul style="list-style-type: none"> <li>• <b>ICICS 2023</b> (25<sup>th</sup> International Conference on Information and Communications Security): Publicity Co-Chair</li> <li>• <b>2022 3<sup>rd</sup> UK Cyber Security PhD Winter School</b>: Member of Organising Committee and Session Chair</li> <li>• <b>ARES 2021</b> (16<sup>th</sup> International Conference on Availability, Reliability and Security): Session Chair</li> <li>• <b>ESORICS 2020</b> (25<sup>th</sup> European Symposium on Research in Computer Security): Session Chair</li> <li>• <b>ARES 2020</b> (15<sup>th</sup> International Conference on Availability, Reliability and Security): Session Chair</li> <li>• <b>EAI SPNCE 2020</b> (3<sup>rd</sup> EAI International Conference on Security and Privacy in New Computing Environments): Publicity and Social Media Co-Chair</li> <li>• <b>IFIP CD-MAKE 2020</b> (4<sup>th</sup> IFIP International Cross Domain Conference for Machine Learning &amp; Knowledge Extraction): Session Chair</li> <li>• <b>IEEE ICASSP 2019</b> (44<sup>th</sup> IEEE International Conference on Acoustic, Speech, and Signal Processing): Publicity Co-Chair</li> <li>• <b>ICICS 2018</b> (20<sup>th</sup> International Conference on Information and Communications Security): Publicity Co-Chair and Session Chair</li> <li>• <b>IEEE SMC 2017</b> (IEEE International Conference on Systems, Man, and Cybernetics): Special Session Co-Chair</li> <li>• <b>APSIPA ASC 2017</b> (9<sup>th</sup> Asia-Pacific Signal and Information Processing Association Annual Summit and Conference): European Liaison</li> <li>• <b>ACNS 2016</b> (14<sup>th</sup> International Conference on Applied Cryptography and Network Security): Publicity Chair</li> <li>• <b>CCSNA 2015</b> (3<sup>rd</sup> Workshop on Cloud Computing Systems, Networks, and Applications), organized in conjunction with <b>IEEE ICC 2015</b> (40<sup>th</sup> IEEE International Conference on Communications): Publicity Co-Chair</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>MLSP 2013</b> (23<sup>rd</sup> IEEE International Workshop on Machine Learning for Signal Processing): Local Arrangement Co-Chair</li> <li>• <b>UKCI 2013</b> (13<sup>th</sup> Annual UK Workshop on Computational Intelligence): Publicity Co-Chair</li> <li>• <b>INTRUST 2010</b> (2<sup>nd</sup> International Conference on Trusted Systems): Session Chair</li> </ul>
Scientific conferences and workshops: As TPC member	<ol style="list-style-type: none"> <li>1. <b>ESORICS 2025</b> (30<sup>th</sup> European Symposium on Research in Computer Security)</li> <li>2. <b>ICICS 2025</b> (27<sup>th</sup> International Conference on Information and Communications Security)</li> <li>3. <b>CODASPY 2025</b> (15<sup>th</sup> ACM Conference on Data and Applications Security and Privacy)</li> <li>4. <b>ARES 2025</b> (20<sup>th</sup> International Conference on Availability, Reliability and Security)</li> <li>5. <b>ACISP 2025</b> (30<sup>th</sup> Australasian Conference on Information Security and Privacy)</li> <li>6. <b>HAISA 2025</b> (19<sup>th</sup> International Symposium on Human Aspects of Information Security &amp; Assurance)</li> <li>7. <b>EICC 2025</b> (6<sup>th</sup> European Interdisciplinary Cybersecurity Conference)</li> <li>8. <b>FedCSIS 2025</b> (20<sup>th</sup> Conference on Computer Science and Intelligence Systems)</li> <li>9. <b>XAI 2025</b> (3<sup>rd</sup> World Conference on eXplainable Artificial Intelligence)</li> <li>10. <b>IEEE AIoT 2025</b> (2<sup>nd</sup> IEEE Annual Congress on Artificial Intelligence of Things)</li> <li>11. <b>ICICS 2024</b> (26<sup>th</sup> International Conference on Information and Communications Security)</li> <li>12. <b>CANS 2024</b> (23<sup>rd</sup> International Conference on Cryptology And Network Security)</li> <li>13. <b>ARES 2024</b> (19<sup>th</sup> International Conference on Availability, Reliability and Security)</li> <li>14. <b>HAISA 2024</b> (18<sup>th</sup> International Symposium on Human Aspects of Information Security &amp; Assurance)</li> <li>15. <b>CODASPY 2024</b> (14<sup>th</sup> ACM Conference on Data and Applications Security and Privacy)</li> <li>16. <b>IC<sup>2</sup>S<sup>2</sup> 2024</b> (10<sup>th</sup> International Conference on Computational Social Science)</li> <li>17. <b>MedAI 2024</b> (2<sup>nd</sup> International Conference on Medical Artificial Intelligence)</li> <li>18. <b>MetaCom 2024</b> (2<sup>nd</sup> IEEE International Conference on Metaverse Computing, Networking and Applications)</li> <li>19. <b>ACL 2023</b> (61<sup>st</sup> Annual Meeting of the Association for Computational Linguistics)</li> <li>20. <b>TheWebConf 2023</b> (32<sup>nd</sup> ACM Web Conference, formerly known as International World Wide Web/WWW Conference): Security, Privacy &amp; Trust Track</li> <li>21. <b>EMNLP 2023</b> (28<sup>th</sup> Conference on Empirical Methods in Natural Language Processing)</li> <li>22. <b>ICICS 2023</b> (25<sup>th</sup> International Conference on Information and Communications Security)</li> <li>23. <b>ARES 2023</b> (18<sup>th</sup> International Conference on Availability, Reliability and Security)</li> <li>24. <b>ISPEC 2023</b> (18<sup>th</sup> International Conference on Information Security Practice and Experience)</li> <li>25. <b>HAISA 2023</b> (17<sup>th</sup> International Symposium on Human Aspects of Information Security &amp; Assurance)</li> <li>26. <b>CSCML 2023</b> (7<sup>th</sup> International Symposium on Cyber Security Cryptology and Machine Learning)</li> <li>27. <b>EICC 2023</b> (4<sup>th</sup> European Interdisciplinary Cybersecurity Conference)</li> <li>28. <b>IC<sup>2</sup>S<sup>2</sup> 2023</b> (9<sup>th</sup> International Conference on Computational Social Science)</li> <li>29. <b>DSBFI 2023</b> (2<sup>nd</sup> ISSAT International Conference on Data Science in Business, Finance and Industry)</li> <li>30. <b>MetaCom 2023</b> (1<sup>st</sup> IEEE International Conference on Metaverse Computing, Networking and Applications)</li> <li>31. <b>CUING 2023</b> (7<sup>th</sup> International Workshop on Criminal Use of Information Hiding) @ <b>ARES 2023</b></li> <li>32. <b>WTMC 2023</b> (8<sup>th</sup> International Workshop on Traffic Measurements for Cybersecurity) @ <b>Euro S&amp;P 2023</b></li> <li>33. <b>WEB3-TRUST 2023</b> (Workshop on beyond the promises of WEB3.0: foundations and challenges of TRUST decentralization) @ <b>BLOCKCHAIN 2023</b></li> <li>34. <b>ESORICS 2022</b> (27<sup>th</sup> European Symposium on Research in Computer Security)</li> <li>35. <b>EMNLP 2022</b> (27<sup>th</sup> Conference on Empirical Methods in Natural Language Processing)</li> <li>36. <b>ARES 2022</b> (17<sup>th</sup> International Conference on Availability, Reliability and Security)</li> <li>37. <b>ACISP 2022</b> (27<sup>th</sup> Australasian Conference on Information Security and Privacy)</li> <li>38. <b>HAISA 2022</b> (16<sup>th</sup> International Symposium on Human Aspects of Information Security &amp; Assurance)</li> <li>39. <b>ISPEC 2022</b> (17<sup>th</sup> International Conference on Information Security Practice and Experience)</li> <li>40. <b>ICISSP 2022</b> (8<sup>th</sup> International Conference on Information Systems Security and Privacy)</li> <li>41. <b>EICC 2022</b> (3<sup>rd</sup> European Interdisciplinary Cybersecurity Conference)</li> <li>42. <b>IEEE CSR 2022</b> (2<sup>nd</sup> IEEE International Conference on Cyber Security and Resilience)</li> <li>43. <b>IFIP CD-MAKE 2022</b> (6<sup>th</sup> IFIP International Cross Domain Conference for Machine Learning &amp; Knowledge Extraction)</li> <li>44. <b>STAST 2022</b> (12<sup>th</sup> International Workshop on Socio-Technical Aspects in Security and Trust) @ <b>ESORICS 2022</b></li> <li>45. <b>CUING 2022</b> (6<sup>th</sup> International Workshop on Criminal Use of Information Hiding) @ <b>ARES 2022</b></li> <li>46. <b>ESORICS 2021</b> (26<sup>th</sup> European Symposium on Research in Computer Security)</li> <li>47. <b>ICICS 2021</b> (23<sup>rd</sup> International Conference on Information and Communications Security)</li> <li>48. <b>ARES 2021</b> (16<sup>th</sup> International Conference on Availability, Reliability and Security)</li> <li>49. <b>HAISA 2021</b> (15<sup>th</sup> International Symposium on Human Aspects of Information Security &amp; Assurance)</li> <li>50. <b>ISPEC 2021</b> (16<sup>th</sup> International Conference on Information Security Practice and Experience)</li> <li>51. <b>ICISSP 2021</b> (7<sup>th</sup> International Conference on Information Systems Security and Privacy)</li> <li>52. <b>EICC 2021</b> (2<sup>nd</sup> European Interdisciplinary Cybersecurity Conference)</li> <li>53. <b>IEEE CSR 2021</b> (1<sup>st</sup> IEEE International Conference on Cyber Security and Resilience)</li> <li>54. <b>IFIP CD-MAKE 2021</b> (5<sup>th</sup> IFIP International Cross Domain Conference for Machine Learning &amp; Knowledge Extraction)</li> </ol>

55. **STAST 2021** (11<sup>th</sup> International Workshop on Socio-Technical Aspects in Security and Trust) @ **ESORICS 2021**
56. **CUING 2021** (5<sup>th</sup> International Workshop on Criminal Use of Information Hiding) @ **ARES 2021**
57. **ESORICS 2020** (25<sup>th</sup> European Symposium on Research in Computer Security)
58. **ARES 2020** (15<sup>th</sup> International Conference on Availability, Reliability and Security)
59. **ICICS 2020** (22<sup>nd</sup> International Conference on Information and Communications Security)
60. **Inscrypt 2020** (16<sup>th</sup> International Conference on Information and Communications Security)
61. **IFIPTM 2020** (14<sup>th</sup> IFIP WG 11.11 International Conference on Trust Management)
62. **ISPEC 2020** (16<sup>th</sup> International Conference on Information Security Practice and Experience) (postponed to 2021 due to COVID-19)
63. **HAISA 2020** (14<sup>th</sup> International Symposium on Human Aspects of Information Security & Assurance)
64. **DSC 2020** (IEEE Conference on Dependable and Secure Computing)
65. **FCS 2020** (3<sup>rd</sup> International Conference on Frontiers in Cyber Security)
66. **ICS-CSR 2020** (7<sup>th</sup> International Symposium for ICS & SCADA Cyber Security) (postponed to 2021 due to COVID-19)
67. **ICISSP 2020** (6<sup>th</sup> International Conference on Information Systems Security and Privacy)
68. **EICC 2020** (1<sup>st</sup> European Interdisciplinary Cybersecurity Conference)
69. **SPNCE 2020** (3<sup>rd</sup> EAI International Conference on Security and Privacy in New Computing Environments)
70. **ICCAIS 2020** (3<sup>rd</sup> International Conference on Computer Applications & Information Security)
71. **STAST 2020** (10<sup>th</sup> International Workshop on Socio-Technical Aspects in Security and Trust) @ **ESORICS 2020**
72. **DETIPS 2020** (Interdisciplinary Workshop on Trust, Identity, Privacy, and Security in the Digital Economy) @ **ESORICS 2020**
73. **CUING 2020** (4<sup>th</sup> International Workshop on Criminal Use of Information Hiding) @ **ARES 2020**
74. **ICC 2020** (45<sup>th</sup> IEEE International Conference on Communications)
75. **ICASSP 2020** (45<sup>th</sup> IEEE International Conference on Acoustic, Speech, and Signal Processing)
76. **ISCC 2020** (25<sup>th</sup> IEEE Symposium on Computers and Communications)
77. **CCGrid 2020** (20<sup>th</sup> IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing)
78. **ITNG 2020** (17<sup>th</sup> International Conference on Information Technology: New Generations): **11<sup>th</sup> International Symposium on Cybersecurity** as a special track
79. **AICCSA 2020** (17<sup>th</sup> ACS/IEEE International Conference on Computer Systems and Applications): Track 3 Security, Privacy and Trust
80. **PASS4IoT 2020** (5<sup>th</sup> International Workshop on Privacy, data Assurance, Security Solutions for Internet of Things) @ **TrustCom 2020**
81. **IFIP CD-MAKE 2020** (4<sup>th</sup> IFIP International Cross Domain Conference for Machine Learning & Knowledge Extraction)
82. **ICNC-FSKD 2020** (16<sup>th</sup> International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery)
83. **CHI 2019** (ACM CHI Conference on Human Factors in Computing Systems): Workshop PC
84. **ARES 2019** (14<sup>th</sup> International Conference on Availability, Reliability and Security)
85. **ACNS 2019** (17<sup>th</sup> International Conference on Applied Cryptography and Network Security)
86. **ICICS 2019** (21<sup>st</sup> International Conference on Information and Communications Security)
87. **ISPEC 2019** (15<sup>th</sup> International Conference on Information Security Practice and Experience)
88. **IFIPTM 2019** (13<sup>th</sup> IFIP WG 11.11 International Conference on Trust Management)
89. **HAISA 2019** (13<sup>th</sup> International Symposium on Human Aspects of Information Security & Assurance)
90. **FCS 2019** (2<sup>nd</sup> International Conference on Frontiers in Cyber Security)
91. **ICISSP 2019** (5<sup>th</sup> International Conference on Information Systems Security and Privacy)
92. **ICS-CSR 2019** (6<sup>th</sup> International Symposium for ICS & SCADA Cyber Security)
93. **CECC 2019** (3<sup>rd</sup> Central European Cybersecurity Conference)
94. **CUING 2019** (3<sup>rd</sup> International Workshop on Criminal Use of Information Hiding) @ **ARES 2019**
95. **STAST 2019** (9<sup>th</sup> International Workshop on Socio-Technical Aspects in Security and Trust) @ **ESORICS 2019**
96. **SECSOC 2019** (3<sup>rd</sup> International Workshop on Secure Smart Society in Next Generation Networking Paradigm) @ **TrustCom 2019**
97. **ICASSP 2019** (44<sup>th</sup> IEEE International Conference on Acoustic, Speech, and Signal Processing)
98. **ICC 2019** (44<sup>th</sup> IEEE International Conference on Communications)
99. **ICME 2019** (20<sup>th</sup> IEEE International Conference on Multimedia & Expo)
100. **DependSys 2019** (5<sup>th</sup> International Conference on Dependability in Sensor, Cloud, and Big Data Systems and Applications)
101. **IFIP CD-MAKE 2019** (3<sup>rd</sup> IFIP International Cross Domain Conference for Machine Learning & Knowledge Extraction)
102. **ITNG 2019** (16<sup>th</sup> International Conference on Information Technology: New Generations): **10<sup>th</sup> International Symposium on Cybersecurity** as a special track
103. **IOV 2019** (6<sup>th</sup> International Conference on Internet of Vehicles)

104. **iCAST 2019** (10<sup>th</sup> International Conference on Awareness Science and Technology)
105. **MPS 2018** (2<sup>nd</sup> International Workshop on Multimedia Privacy and Security) @ **ACM CCS 2018**
106. **STAST 2018** (8<sup>th</sup> International Workshop on Socio-Technical Aspects in Security and Trust) @ **ACSAC 2018** (34<sup>th</sup> Annual Computer Security Applications Conference)
107. **ARES 2018** (13<sup>th</sup> International Conference on Availability, Reliability and Security)
108. **CUING 2018** (2<sup>nd</sup> International Workshop on Criminal Use of Information Hiding) @ **ARES 2018**
109. **ISC 2018** (21<sup>st</sup> Information Security Conference)
110. **ICICS 2018** (20<sup>th</sup> International Conference on Information and Communications Security)
111. **ISPEC 2018** (14<sup>th</sup> International Conference on Information Security Practice and Experience)
112. **HAISA 2018** (12<sup>th</sup> International Symposium on Human Aspects of Information Security & Assurance)
113. **FCS 2018** (1<sup>st</sup> International Conference on Frontiers in Cyber Security)
114. **AISB18-CyberSecurity** (Symposium on Digital Behaviour Intervention for Cyber Security) @ AISB (Society for the Study of Artificial Intelligence and Simulation for Behaviour) Convention 2018
115. **ITNG 2018** (15<sup>th</sup> International Conference on Information Technology: New Generations): **9<sup>th</sup> International Symposium on Cybersecurity** as a special track
116. **ICISSP 2018** (4<sup>th</sup> International Conference on Information Systems Security and Privacy)
117. **ICC 2018** (43<sup>rd</sup> IEEE International Conference on Communications)
118. **GLOBECOM 2018** (61<sup>st</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
119. **ICASSP 2018** (43<sup>rd</sup> IEEE International Conference on Acoustic, Speech, and Signal Processing)
120. **ICIP 2018** (25<sup>th</sup> IEEE International Conference on Image Processing)
121. **ICME 2018** (19<sup>th</sup> IEEE International Conference on Multimedia & Expo)
122. **ICCCN 2018** (27<sup>th</sup> International Conference on Computer Communications and Networks)
123. **MLSP 2018** (28<sup>th</sup> IEEE International Workshop on Machine Learning for Signal Processing)
124. **ISCC 2018** (23<sup>rd</sup> IEEE Symposium on Computers and Communications)
125. **IOV 2018** (5<sup>th</sup> International Conference on Internet of Vehicles)
126. **ACISP 2017** (22<sup>nd</sup> Australasian Conference on Information Security and Privacy)
127. **ARES 2017** (12<sup>th</sup> International Conference on Availability, Reliability and Security)
128. **HAISA 2017** (11<sup>th</sup> International Symposium on Human Aspects of Information Security & Assurance)
129. **ITNG 2017** (14<sup>th</sup> International Conference on Information Technology: New Generations): **8<sup>th</sup> International Symposium on Cybersecurity** as a special track
130. **CUING 2017** (1<sup>st</sup> International Workshop on Criminal Use of Information Hiding) @ **ARES 2017**
131. **CCSTIM 2017** (International Workshop on Cloud Computing Security: Threats, Intelligence, and Mitigation) @ **UCC 2017** (10<sup>th</sup> IEEE/ACM International Conference on Utility and Cloud Computing)
132. **ICC 2017** (42<sup>nd</sup> IEEE International Conference on Communications)
133. **GLOBECOM 2017** (60<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
134. **ICISSP 2017** (3<sup>rd</sup> International Conference on Information Systems Security and Privacy)
135. **ICIP 2017** (24<sup>th</sup> IEEE International Conference on Image Processing)
136. **ICME 2017** (18<sup>th</sup> IEEE International Conference on Multimedia & Expo)
137. **SMC 2017** (IEEE International Conference on Systems, Man, and Cybernetics)
138. **DSP 2017** (22<sup>nd</sup> International Conference on Digital Signal Processing)
139. **EuCNC 2017** (26<sup>th</sup> European Conference on Networks and Communications)
140. **ISCC 2017** (22<sup>nd</sup> IEEE Symposium on Computers and Communications)
141. **MF 2017** (Workshop on Applications of Computer Vision and Pattern Recognition to Media Forensics) @ **CVPR 2017** (30<sup>th</sup> IEEE Conference on Computer Vision and Pattern Recognition)
142. **ARES 2016** (11<sup>th</sup> International Conference on Availability, Reliability and Security)
143. **AuthTech 2016** (1<sup>st</sup> International Workshop on Authentication Techniques) @ **ASIACCS 2016** (11<sup>th</sup> ACM Symposium on Information, Computer and Communications Security)
144. **ICC 2016** (41<sup>st</sup> IEEE International Conference on Communications)
145. **GLOBECOM 2016** (59<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
146. **ICIP 2016** (23<sup>rd</sup> IEEE International Conference on Image Processing)
147. **ICME 2016** (17<sup>th</sup> IEEE International Conference on Multimedia & Expo)
148. **ICASSP 2016** (41<sup>st</sup> IEEE International Conference on Acoustics, Speech and Signal Processing)
149. **EuCNC 2016** (25<sup>th</sup> European Conference on Networks and Communications)
150. **ISC2 2016** (2<sup>nd</sup> IEEE International Smart Cities Conference)
151. **IOV 2016** (3<sup>rd</sup> International Conference on Internet of Vehicles)
152. **WISARC 2016** (2<sup>nd</sup> International Workshop on Information Security, Assurance and Reliability in the Cloud) @ **UCC 2016** (9<sup>th</sup> IEEE/ACM International Conference on Utility and Cloud Computing)
153. **CCSNA 2016** (5<sup>th</sup> Workshop on Cloud Computing Systems, Networks, and Applications) @ **ICC 2016** (41<sup>st</sup> IEEE International Conference on Communications)
154. **IOV 2015** (2<sup>nd</sup> International Conference on Internet of Vehicles)
155. **GlobalSIP 2015** (3<sup>rd</sup> IEEE Global Conference on Signal and Information Processing)
156. **GLOBECOM 2015** (58<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
157. **MMSP 2015** (17<sup>th</sup> IEEE International Workshop on Multimedia Signal Processing)



158. **ICIP 2015** (22<sup>nd</sup> IEEE International Conference on Image Processing)
159. **DASIP 2015** (9<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
160. **BiFor 2015** (International Workshop on Recent Advances in Digital Security: Biometrics and Forensics) @ **ICIAP 2015** (18<sup>th</sup> International Conference on Image Analysis and Processing)
161. **ARES 2015** (10<sup>th</sup> International Conference on Availability, Reliability and Security)
162. **ICNC/FSKD 2015** (11<sup>th</sup> International Conference on Natural Computation / 12<sup>th</sup> International Conference on Fuzzy Systems and Knowledge Discovery)
163. **ICME 2015** (16<sup>th</sup> IEEE International Conference on Multimedia & Expo)
164. **EuCNC 2015** (24<sup>th</sup> European Conference on Networks and Communications)
165. **ICC 2015** (40<sup>th</sup> IEEE International Conference on Communications)
166. **INTRUST 2014** (6<sup>th</sup> International Conference on Trustworthy Systems)
167. **GLOBECOM 2014** (57<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
168. **ICCVE 2014** (3<sup>rd</sup> International Conference on Connected Vehicles & Expo)
169. **ICIP 2014** (21<sup>st</sup> IEEE International Conference on Image Processing)
170. **DASIP 2014** (8<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
171. **ARES 2014** (9<sup>th</sup> International Conference on Availability, Reliability and Security)
172. **IOV 2014** (1<sup>st</sup> International Conference on Internet of Vehicles)
173. **ICME 2014** (15<sup>th</sup> IEEE International Conference on Multimedia & Expo)
174. **ISCAS 2014** (47<sup>th</sup> IEEE International Symposium on Circuits and Systems)
175. **GLOBECOM 2013** (56<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
176. **ICCVE 2013** (2<sup>nd</sup> International Conference on Connected Vehicles & Expo)
177. **DASIP 2013** (7<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
178. **ARES 2013** (8<sup>th</sup> International Conference on Availability, Reliability and Security)
179. **ICME 2013** (14<sup>th</sup> IEEE International Conference on Multimedia & Expo)
180. **ICC 2013** (38<sup>th</sup> IEEE International Conference on Communications)
181. **IWCC 2013** (2<sup>nd</sup> International Workshop on Cyber Crime) @ **IEEE S&P 2013** (34<sup>th</sup> IEEE Symposium on Security and Privacy)
182. **INTRUST 2012** (4<sup>th</sup> International Conference on Trusted Systems)
183. **GLOBECOM 2012** (55<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
184. **DASIP 2012** (6<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
185. **ARES 2012** (7<sup>th</sup> International Conference on Availability, Reliability and Security)
186. **ICME 2012** (13<sup>th</sup> IEEE International Conference on Multimedia & Expo)
187. **ICC 2012** (37<sup>th</sup> IEEE International Conference on Communications)
188. **ISCAS 2012** (45<sup>th</sup> IEEE International Symposium on Circuits and Systems)
189. **ICNC 2012** (2012 International Conference on Computing, Networking and Communications)
190. **GLOBECOM 2011** (54<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
191. **INTRUST 2011** (3<sup>rd</sup> International Conference on Trusted Systems)
192. **DASIP 2011** (5<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
193. **SafeConfig 2011** (4<sup>th</sup> Symposium on Configuration Analytics and Automation)
194. **ICME 2011** (12<sup>th</sup> IEEE International Conference on Multimedia & Expo)
195. **ICC 2011** (36<sup>th</sup> IEEE International Conference on Communications)
196. **GLOBECOM 2010** (53<sup>rd</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
197. **APWCCS 2010** (5<sup>th</sup> Asia-Pacific Workshop on Chaos Control and Synchronization): International Program Committee (IPC) Member
198. **ICME 2010** (17<sup>th</sup> IEEE International Conference on Multimedia & Expo)
199. **ICCCAS 2009** (7<sup>th</sup> International Conference on Communication, Circuits and Systems)
200. **ICCCAS 2006** (4<sup>th</sup> International Conference on Communications, Circuits and Systems)

As invited speaker, panelist and interviewee

More recent talks and relevant links can be found at <http://www.hooklee.com/talks.asp>.

1. **From data flow analysis to data security, privacy, responsible AI, and more**, invited talk at the seminars series of the Robotics and Embedded Systems Research Group, School of Computer Science and Electronic Engineering, University of Essex, 19 February 2025
2. **Cyber skills development for the higher education sector and beyond**, invited talk at the Jisc Security Conference 2024, organized by Jisc, delivered remotely on 28 November 2024
3. **From data flow analysis to data security, privacy, responsible AI, and more**, [IET Jennison Lecture 2024](#), organized by IET Kent Local Network, held as an in-person event at the University of Kent, 31 October 2024
4. **Creating a Cyber Security Research Learned Society**, invited talk, part of the 4<sup>th</sup> Annual Advances in Cyber Security Education, organized by CSE Connect, held as an in-person event but the talk was delivered remotely, 2 July 2024
5. **Panelist of the Future of Digital Security workshop**, organized by GESDA (Geneva Science and Diplomacy Anticipator), virtual, 17 June 2024
6. **Privacy through the Lens of Data Flows**, keynote talk at CSW 2024 (2024 3<sup>rd</sup> International Conference on Cyber Security), virtual, 8 June 2024

7. **Privacy through the Lens of Data Flows**, invited talk, organized by the School of Cyber Science and Engineering, Southeastern University, China, virtual, 11 October 2023
8. **From AI for (Cyber) Security to Trustworthy and Responsible AI**, invited talk at the EIS 2023 (6th Global Emerging Innovation Summit), held virtually online, 29 August 2023
9. **When Humans and Computers Come Together: Cyber Security, HCI, AI and Beyond**, keynote talk, ysec (Why Security) Online Webinar Series, organized by the Information Security Technical Committee (信息安全专委会) of the Shanghai Computer Society (上海市计算机学会) and Shanghai Jiao Tong University (上海交通大学), virtual, 16 March 2023
10. **How to do (good) research: From the lens of research ethics and integrity**, keynote talk, part of the Webinar session on "Scientific Planning and Writing" at the 2022 International Symposium on Resilient and Sustainable Cities & the 22nd Annual General Meeting of the UK China Association of Resources and Environment (UK-CARE) & the 2022 CCOP-RCUG Annual Conference, co-organized by UK-CARE, virtual, 8 December 2022
11. **Strengthening security practices in education settings - strategies for security and minimising risks, staff awareness and training, and developing recovery and response plans**, panelist of a panel discussion, Westminster Education Forum: Improving cybersecurity in education settings in England, organized by the Westminster Forum Projects, virtual, 10 November 2022
12. **When Humans and Computers Come Together: A New or Resurged Old Research Paradigm?** Keynote talk, 4th International Conference on Artificial Intelligence Technologies and Applications (ICAITA 2022), organized by the Changchun University of Science and Technology, virtual, 20 August 2022
13. **Privacy through the Lens of Data Flows**, keynote talk, 2022 IEEE International Conference on Cyber Security and Resilience (IEEE CSR 2022), organized by the IEEE SMC (Systems, Man, and Cybernetics) Society TCHS (Technical Committee on Homeland Security), virtual, 29 July 2022
14. **Tackling Human Error**, panelist of a panel discussion, Public Sector Cyber Security 2022, organized by the PSE (Public Sector Executive), virtual, 14 July 2022
15. **Privacy through the Lens of Data Flows**, invited talk, Cyber Quarter Seminar Series, organized by Cyber Quarter - Midlands Centre for Cyber Security, UK, virtual, 8 July 2022
16. **Invited talk for introducing the Institute of Cyber Security for Society (iCSS)**, organized by Canterbury Christ Church University, UK, held virtually, 19 May 2022
17. **Invited talk for introducing the Institute of Cyber Security for Society (iCSS)**, organized by Honda Research Institute Europe, Germany, virtually, 20 April 2022
18. **Digital Regulation Cooperation Forum (DRCF) End-to-End Encryption Virtual Roundtable**, jointly organized by Competition and Markets Authority (CMA), Information Commissioner's Office (ICO), Office of Communications (Ofcom), and Financial Conduct Authority (FCA), UK, virtual, 27 January 2022
19. **Funding opportunities for ECRs (Early Career Researchers)**, invited talk, 2022 3rd UK Cyber Security PhD Winter School, organized by the University of Surrey, University of Bristol, University of Kent, University of Lancaster, RHUL (Royal Holloway, University of London), Northumbria University, and NCSC (National Cyber Security Centre), UK, virtual, 11 January 2022
20. **Socio-technical Aspects of Privacy: Looking through the Lens of Time**, keynote talk, PriCom 2021 (7th International Symposium on Privacy Computing), organized by CISPC (Chinese Information Processing Society of China, 中国中文信息学会), virtual, 19 December 2021
21. **Net-Zero and Digital Technologies**, panelist of a roundtable discussion, UK-China Tech Summit 2021, organized by the Chinese Students and Scholars Association (CSSA) of Imperial College London, UK, virtual, 4 December 2021
22. **Privacy through the Lens of Data Flows**, keynote talk, 2021 International Conference on Big Data Security and Privacy Computing (大数据安全与隐私计算会议 2021), virtual, 20 November 2021
23. **Cyberspace and cyber security**, invited panel discussion, "Battlefields of the Future" – a University of Kent student-led hybrid conference, organized by students at the University of Kent, virtual, 6 November, 2021
24. **Privacy through the Lens of Data Flows**, invited talk, Webinaire Cybersécurité et véhicules connectés, organized by GIS CybCOM, virtual, 29 September 2021
25. **From AI for Security to Secure, Privacy-Friendly And "Good" AI**, invited talk at the AI Summit London 2021, London, UK, 23 September 2021
26. **Privacy in the Cyber-Physical World: Challenges and Solutions**, keynote talk at the KSA (Kingdom of Saudi Arabia) Hybrid Cloud and Cybersecurity Summit 2021, virtual, 24 August 2021
27. **Observer-Resistant Password Systems: How hard to make them both usable and secure?**, invited talk at the 2021 International Cryptography and Coding Frontier Symposium (密码与编码前沿国际研讨会 2021), virtual, 19 June 2021
28. **When Humans and Computers Come Together: A New or Resurged Old Research Paradigm?** invited talk, Middlesex University Computer Science Colloquium, organized by Department of Computer Science, Middlesex University London, UK, virtual, 2 February 2021
29. **How security leaders approach IAM in the Zero-Trust model**, invited panel discussion, Cyber Security Solutions Summit 2020, organized by Closerstill Media, virtual, 2 December 2020

30. **Data Privacy in the Cyber-Physical World: Looking through the Lens of Complex Networks**, keynote speech at IWCFTA 2020 (13th International Workshop on Complex-systems for Future Technologies and Applications), virtual, 24 October 2020
31. **When will passwords die? Research challenges and opportunities in user authentication**, keynote speech at CNSS 2020 (International Conference on Computer Communication and Network Security), virtual, 22 August 2020
32. **When will passwords die? Research challenges and opportunities in user authentication**, invited talk at Global Academic Week 2020, organised by the Dongguan University of Technology (DGUT, 东莞理工学院), virtual, 22 July 2020
33. **Relationships between, AI, humans and cyber security**, invited panel discussion, FIC (International Cybersecurity Forum) 2020 in Lille, France, 29 January, 2020
34. **When will passwords die? Research challenges and opportunities in user authentication**, invited plenary talk at 2020 UK PhD Winter School on Cyber Security, funded by NCSC (National Cyber Security Centre) and EPSRC (Engineering and Physical Sciences Research Council), Newcastle University, UK, 13 January 2020
35. **Data Privacy and Cyber Security**, chair panelist at ENTER 2020 (International eTourism Conference), the 27th Annual Conference Organized by IFITT, University of Surrey, UK, 9 January 2020
36. **Socio-technical Aspects of Privacy Protection**, invited keynote talk at ICSFrontiers 2019 (1st International Conference on Frontiers of Information and Communications Security), Rome, Italy, 30 July 2019
37. **Interview on human factors in cyber security**, interviewed by Oz Alashe of CybSafe, part of PeepSec 2019, London, UK, 29 May 2019
38. **Panel discussion on cyber security education and research**, CPHC (Council of Professors and Heads of Computing) Annual Conference 2019, Middlesex University, London, 29 April 2019
39. **Introduction to Kent Interdisciplinary Research Centre in Cyber Security (KirCCS)**, invited talk at a Kent Connects event in Cyber Security, Maidstone, Kent, UK, 3 December 2018
40. **Socio-technical Aspects of Privacy Protection**, keynote speech at PST 2018 (16th Annual Conference on Privacy, Security and Trust), Belfast, Northern Ireland, UK, 28-30 August 2018
41. **Socio-technical Aspects of Privacy Protection**, keynote speech at PriCom 2018 (4th International Symposium on Privacy Computing), Boppard, Germany, 6-8 August 2018
42. **Addressing Cybersecurity and Cybercrime via a co-Evolutionary aPproach to reducing human-relaTed risks: Healthcare as a use case**, invited talk at the Global Cyber Security in Healthcare & Pharma Summit 2018, organized by Global Engage in London, UK, 4 May 2018
43. **Nowhere to hide? Privacy challenges and solutions in smart cities: From ANPR to social IoT**, invited talk at the UK-India Workshop on Managing Privacy in the age of IoT, organized by the City, University of London, UK, 19 February 2018
44. **Hybrid Human-Machine Computing: a new paradigm of computing?** invited OpenTech talk at Clearswift Ltd, UK, 23 January 2018
45. **Human Factors in Cyber Security: User authentication as a use case**, invited talk at ISWRACS (International Symposium and Workshop on Research Advances in Cyber Security) 2018, organized by the Hindustan Institute of Technology & Science (Hindustan University), India, 6 January 2018
46. **Research Institute in Science of Cyber Security (RISCS) and Project ACCEPT (Addressing Cybersecurity and Cybercrime via a co-Evolutionary aPproach to reducing human-relaTed risks)**, invited talk and panelist at the 21st LAPFF (Local Authority Pension Fund Forum) Conference 2017, Bournemouth, UK, 7 December 2017
47. **Project ACCEPT (Addressing Cybersecurity and Cybercrime via a co-Evolutionary aPproach to reducing human-relaTed risks)**, invited talk at Workshop on Economics and Human Aspects of Cyber-Security, organized by the School of Economics, University of Kent, UK in Canterbury, UK, 20 November 2017
48. **A new paradigm of information hiding? Hiding in activities of the cyber-physical-social world**, invited keynote talk at CUING 2017 (1st International Workshop on Criminal Use of Information Hiding), an associated workshop of ARES 2017 (12th International ARES Conference on Availability, Reliability and Security), 31 August 2017
49. **Human Factors in Cyber Security: User authentication as a use case**, invited 3-hour tutorial as an invited guest speaker at the 2017 Summer School on "Human Factor in Systems Safety and Security", organized by the Department of Computing and Informatics, Bournemouth University, UK and sponsored by the IEEE Systems, Man and Cybernetics (SMC) Society, 7 July 2017
50. **Pass<sup>∞</sup> (PassInfinity): A new "all in one" multi-factor user authentication framework**, invited talk at the 2017 June quarterly meeting of HESCA (Higher Education Smart Campus Association), 6 June 2017
51. **Observer-Resistant Password Systems: How hard to make them both usable and secure?**, invited talk at the 2nd Annual Bath PGR Conference on Computer Science (BCCS 2017), University of Bath, UK, 31 May 2017
52. **Observer-Resistant Password Systems: How hard to make them both usable and secure?**, invited talk at the Institute for Infocomm Research (I<sup>2</sup>R), Agency for Science, Technology and Research (A\*STAR), Singapore, 28 April 2017



	<p>53. <b>Observer-Resistant Password Systems: How hard to make them both usable and secure?</b>, invited talk at the School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore, 27 April 2017</p> <p>54. <b>Observer-Resistant Password Systems: How hard to make them both usable and secure?</b>, invited talk at the School of Computing, National University of Singapore, 25 April 2017</p> <p>55. <b>Human/User-Centric Security</b>, invited talk at Digital: Definition Unknown, the Fast Stream Conference 2017, London, UK, organised by UK Government's Civil Service Fast Stream, 3 February 2017</p> <p>56. <b>When Discrete Optimization Meets Multimedia Security</b>, invited talk at the FoT-RSS: Faculty of Technology Research Seminar Series / IEEE UK &amp; Ireland Section Signal Processing Chapter Lecture, De Montfort University, UK, 25 May 2016</p> <p>57. <b>Panel discussion on "Tools and methodologies for high quality software"</b>, Workshop on Cyber safety and resilience: strengthening the digital systems that support critical infrastructure and the Internet of Things, organized by the Royal Academy of Engineering in London, UK, 21 March 2016</p> <p>58. <b>Observer-Resistant Password Systems (ORPSs): Usability vs. Security</b>, invited talk at the Interaction Design Centre (IDC) Seminar Series, Middlesex University, UK, 4 August 2015</p> <p>59. <b>Digital and Multimedia Forensics</b>, invited talk at the Wellcome Forensic Evening, Wellcome Collection, 183 Euston Road, London NW1 2BE, UK, 10 June 2015</p> <p>60. <b>Observer-Resistant Password Systems (ORPSs): Security vs. Usability</b>, invited talk at the Information Security Group (ISG) weekly seminar series, Royal Holloway, University of London (RHUL), UK, 27 March 2015</p> <p>61. <b>When Security Meets Usability: e-Banking as an Example</b>, invited talk at the Escuela Politécnica Superior, Universidad Autónoma de Madrid (UAM, Autonomous University of Madrid), Spain, 7 April 2014</p> <p>62. <b>From Digital Watermarking to Multimedia Forensics: How can they help to detect lost identities in multimedia work?</b> invited talk at the Workshop on "Identity Lost – electronic identity, digital orphan works and copyright law reform" (co-sponsored by EPSRC, UK), held at St Cecilia's Hall, Edinburgh University, UK, 30 September 2013</p> <p>63. <b>Usable Security: When Security Meets Usability</b>, invited talk at College of Information Engineering, Xiangtan University, China, 5 September 2013</p> <p>64. <b>From Captchas to Captchæckers: Can we automate usability and security evaluation of CAPTCHAs?</b> invited talk at the School of Computer Science, University of Glasgow, UK, 5 October 2012</p> <p>65. <b>How to Break Financial CAPTCHAs in China and Elsewhere</b>, invited talk at the Asian Lounge on Trust, Security and Privacy Workshop, part of <b>INTRUST 2010</b> (2<sup>nd</sup> International Conference on Trusted Systems), Beijing, China, 15 December 2010</p> <p>66. <b>New Directions in Multimedia Encryption</b>, invited talk at the ESAT-COSIC, KU Leuven, Belgium, 12 May 2010</p> <p>67. <b>Usable Security: Making Passwords Usable</b>, invited talk at the Security Day of the Stuttgart Media University, Germany, 10 June 2009</p> <p>68. <b>Analog Chaos-Based Secure Communications: A Cryptanalyst's Survey</b>, invited talk at División de Matemáticas Aplicadas, Instituto Potosino de Investigación Científica y Tecnológica (Department of Applied Mathematics, Institute for Scientific and Technological Research), A.C., San Luis Potosí, México, 23 August 2007</p> <p>69. <b>Analog Chaos-Based Secure Communications</b>, invited talk at the College of Information Technology, Shenzhen University, Shenzhen, China, 11 November 2005</p> <p>70. <b>Chaotic Cryptography</b>, two invited talks at the Department of Physics, Beijing Normal University, Beijing, China, 13-14 January 2005</p>
Services for government	<ul style="list-style-type: none"> <li>Member, Digital Investigation and Intelligence Oversight Board – Futures Group, Surrey &amp; Sussex Police, UK, February – October 2017</li> <li>Expert reviewer, <a href="#">Data Encryption, Research Briefing POST-PB-0019</a>, Parliamentary Office of Science and Technology (POST), UK, 15 March 2016</li> <li>Expert reviewer, <a href="#">Digital Forensics and Crime, Research Briefing POST-PN-0520</a>, Parliamentary Office of Science and Technology (POST), UK, 9 March 2016</li> </ul>
As reviewer: IEEE and ACM journals	<ul style="list-style-type: none"> <li><i>IEEE Transactions on Audio, Speech and Language Processing</i></li> <li><i>IEEE Transactions on Biomedical Circuits and Systems</i></li> <li><i>IEEE Transactions on Circuits and Systems-I: Regular Papers</i></li> <li><i>IEEE Transactions on Circuits and Systems-II: Express Briefs</i></li> <li><i>IEEE Transactions on Circuits and Systems for Video Technology</i></li> <li><i>IEEE Transactions on Cloud Computing</i></li> <li><i>IEEE Transactions on Computational Social Systems</i></li> <li><i>IEEE Transactions on Dependable and Secure Computing</i></li> <li><i>IEEE Transactions on Image Processing</i></li> <li><i>IEEE Transactions on Industrial Electronics</i></li> <li><i>IEEE Transactions on Information Forensics and Security</i></li> <li><i>IEEE Transactions on Medical Imaging</i></li> </ul>

	<ul style="list-style-type: none"> <li>• <i>IEEE Transactions on Mobile Computing</i></li> <li>• <i>IEEE Transactions on Multimedia</i></li> <li>• <i>IEEE Transactions on Neural Networks</i></li> <li>• <i>IEEE Transactions on Signal Processing</i></li> <li>• <i>IEEE Internet of Things Journal</i></li> <li>• <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i></li> <li>• <i>IEEE Journal on Selected Areas in Communications</i></li> <li>• <i>IEEE Journal on Selected Topics in Signal Processing</i></li> <li>• <i>IEEE Security &amp; Privacy Magazine</i></li> <li>• <i>IEEE Signal Processing Magazine</i></li> <li>• <i>IEEE Systems Journal</i></li> <li>• <i>IEEE Communications Letters</i></li> <li>• <i>IEEE Signal Processing Letters</i></li> <li>• <i>IEEE Computational Intelligence Magazine</i></li> <li>• <i>IEEE Internet Computing</i></li> <li>• <i>IEEE Systems, Man, and Cybernetics Magazine</i></li> <li>• <i>IEEE Access</i></li> <li>• <i>ACM Computing Surveys</i></li> <li>• <i>ACM Transactions on Privacy and Security</i></li> <li>• <i>ACM Transactions on Information and System Security</i></li> <li>• <i>ACM Transactions on Multimedia Computing Communications and Applications</i></li> <li>• <i>ACM Transactions on Cyber-Physical Systems</i></li> <li>• <i>Communications of the ACM</i></li> </ul>
As reviewer: Security-related journals	<ul style="list-style-type: none"> <li>• <i>EURASIP Journal on Information Security</i></li> <li>• <i>IET Information Security</i></li> <li>• <i>Computers &amp; Security</i></li> <li>• <i>Forensic Science International: Digital Investigation</i></li> <li>• <i>Journal of Cybersecurity</i> (Oxford University Press)</li> <li>• <i>International Journal of Information Security</i></li> <li>• <i>EAI Endorsed Transactions on Security and Safety</i></li> <li>• <i>Journal of Information Security and Applications</i></li> <li>• <i>Information Security Technical Report</i></li> <li>• <i>Security and Privacy</i> (John Wiley &amp; Sons)</li> <li>• <i>Journal of Cryptographical Engineering</i></li> <li>• <i>Security and Communication Networks</i></li> <li>• <i>Journal of Cyber Security and Mobility</i></li> <li>• <i>Information Security Journal: A Global Perspective</i></li> <li>• <i>International Journal of Information and Computer Security</i></li> <li>• <i>Cryptologia</i></li> </ul>
As reviewer: Multimedia/HCI-related journals	<ul style="list-style-type: none"> <li>• <i>International Journal of Human-Computer Studies</i></li> <li>• <i>Multimedia Systems</i></li> <li>• <i>Multimedia Tools and Applications</i></li> <li>• <i>Signal Processing</i></li> <li>• <i>Signal Processing: Image Communication</i></li> <li>• <i>Image and Vision Computing</i></li> <li>• <i>Digital Signal Processing</i></li> <li>• <i>IEE Proceedings - Vision, Image &amp; Signal Processing</i></li> <li>• <i>IET Image Processing</i></li> <li>• <i>Journal of Electronic Imaging</i></li> <li>• <i>Journal of Visual Communication and Image Representation</i></li> <li>• <i>EURASIP Journal on Advances in Signal Processing</i> (<i>EURASIP Journal on Applied Signal Processing</i> before 2008)</li> <li>• <i>EURASIP Journal of Image and Video Processing</i></li> <li>• <i>Journal of Imaging Science &amp; Technology</i></li> <li>• <i>International Journal of Imaging Systems and Technology</i></li> <li>• <i>Journal of Mathematical Imaging and Vision</i></li> <li>• <i>Circuits, Systems &amp; Signal Processing</i></li> <li>• <i>International Journal of Image and Video Processing</i></li> <li>• <i>International Journal of Image and Graphics</i></li> </ul>

	<ul style="list-style-type: none"> <li>• <i>Journal of Multimedia</i></li> <li>• <i>Inverse Problems and Imaging</i></li> <li>• <i>Neural Computing and Applications</i></li> <li>• <i>Neurocomputing</i></li> <li>• <i>Universal Access in the Information Society</i></li> <li>• <i>Mobile Information Systems</i></li> </ul>
As reviewer: Chaos/Physics-related journals	<ul style="list-style-type: none"> <li>• <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i></li> <li>• <i>International Journal of Bifurcation and Chaos</i></li> <li>• <i>Physics Letters A</i></li> <li>• <i>Physica A</i></li> <li>• <i>Complexity</i></li> <li>• <i>International Journal of Modern Physics C</i></li> <li>• <i>Modern Physics Letters B</i></li> <li>• <i>Nonlinear Dynamics</i></li> <li>• <i>Physica Scripta</i></li> <li>• <i>Communications in Nonlinear Science and Numerical Simulation</i></li> <li>• <i>Dynamics of Continuous, Discrete &amp; Impulsive Systems Series B: Applications &amp; Algorithms</i></li> <li>• <i>Chinese Physics B</i></li> </ul>
As reviewer: Other international journals	<ul style="list-style-type: none"> <li>• <i>Nature Magazine</i></li> <li>• <i>SpringerPlus</i></li> <li>• <i>The Computer Journal</i></li> <li>• <i>Information Science</i></li> <li>• <i>Journal of Software and Systems</i></li> <li>• <i>Information Fusion</i></li> <li>• <i>Theoretical Computer Science</i></li> <li>• <i>Knowledge and Information Systems</i></li> <li>• <i>Computer Communications</i></li> <li>• <i>Computers and Mathematics with Applications</i></li> <li>• <i>Wireless Networks</i></li> <li>• <i>Journal of Parallel and Distributed Computing</i></li> <li>• <i>Optical Engineering</i></li> <li>• <i>Optical Communications</i></li> <li>• <i>Speech Communications</i></li> <li>• <i>Telecommunication Systems: Modelling, Analysis, Design and Management</i></li> <li>• <i>Journal of Ambient Intelligence and Humanized Computing</i></li> <li>• <i>Journal of Universal Computer Science</i></li> <li>• <i>Journal of Optics</i></li> <li>• <i>Optica Applicata</i></li> <li>• <i>Journal of Biomedical Informatics</i></li> <li>• <i>International Journal of Computational Intelligence Research</i></li> <li>• <i>International Journal of Computational Intelligence Systems</i></li> <li>• <i>Mathematical Problems in Engineering</i></li> </ul>
As reviewer: National journals (published in English)	<ul style="list-style-type: none"> <li>• <i>Chinese Science Bulletin</i></li> <li>• <i>ETRI Journal</i> (South Korea)</li> <li>• <i>IEEJ Transactions on Electrical and Electronic Engineering</i> (Japan)</li> <li>• <i>Journal of Electronics</i> (China)</li> <li>• <i>Journal of Computer Science and Technology</i> (China)</li> <li>• <i>Tsinghua Science and Technology</i> (China)</li> <li>• <i>Journal of Zhejiang University SCIENCE A</i> (China)</li> <li>• <i>Annals of the Brazilian Academy of Sciences</i></li> <li>• <i>Journal of the Brazilian Computer Society</i> (Brazil)</li> <li>• <i>Iranian Journal of Electrical and Computer Engineering</i> (Iran)</li> </ul>
As reviewer: Chinese journals	<ul style="list-style-type: none"> <li>• 《电子学报》 (<i>Acta Electronica Sinica</i>)</li> <li>• 《电子与信息学报》 (<i>Journal of Electronics and Information Technology</i>)</li> </ul>
As reviewer: International conferences and workshops	<ul style="list-style-type: none"> <li>• HICSS 2023 (56<sup>th</sup> Hawai'i International Conference on System Sciences)</li> <li>• HICSS 2022 (55<sup>th</sup> Hawai'i International Conference on System Sciences)</li> </ul>

	<ul style="list-style-type: none"> <li>Onward! 2020 @ SPLASH 2020 (ACM SIGPLAN conference on Systems, Programming, Languages, and Applications: Software for Humanity)</li> <li>ESORICS 2019 (24<sup>th</sup> European Symposium on Research in Computer Security)</li> <li>VOTING 2019 (4<sup>th</sup> Workshop on Advances in Secure Electronic Voting) @ FC 2019</li> <li>ESORICS 2018 (23<sup>rd</sup> European Symposium on Research in Computer Security)</li> <li>SMC 2018 (2018 IEEE International Conference on Systems, Man, and Cybernetics)</li> <li>ICII 2018 (1<sup>st</sup> IEEE International Conference on Industrial Internet)</li> <li>CHI 2017 (35<sup>th</sup> Annual ACM CHI Conference on Human Factors in Computing Systems)</li> <li>WIFS 2015 (7<sup>th</sup> IEEE International Workshop on Information Forensics and Security)</li> <li>CCS 2015 (22<sup>nd</sup> ACM Conference on Computer and Communications Security)</li> <li>FC 2015 (19<sup>th</sup> International Conference on Financial Cryptography and Data Security)</li> <li>GlobalSIP 2014 (2<sup>nd</sup> IEEE Global Conference on Signal and Information Processing)</li> <li>NSS 2014 (8<sup>th</sup> International Conference on Network and System Security)</li> <li>MMSP 2014 (16<sup>th</sup> International Workshop on Multimedia Signal Processing)</li> <li>ISPEC 2014 (10<sup>th</sup> International Conference on Information Security Practice and Experience)</li> <li>WIFS 2013 (5<sup>th</sup> IEEE International Workshop on Information Forensics and Security)</li> <li>MMSP 2013 (15<sup>th</sup> International Workshop on Multimedia Signal Processing)</li> <li>ICIP 2013 (20<sup>th</sup> IEEE International Conference on Image Processing)</li> <li>IWDW 2012 (11<sup>th</sup> International Workshop on Digital-forensics and Watermarking)</li> <li>WIFS 2012 (4<sup>th</sup> IEEE International Workshop on Information Forensics and Security)</li> <li>IH 2012 (14<sup>th</sup> Information Hiding Conference)</li> <li>IEEE S&amp;P 2012 (33<sup>rd</sup> IEEE Symposium on Security and Privacy)</li> <li>ICISC 2011 (14<sup>th</sup> Annual International Conference on Information Security and Cryptology)</li> <li>INDS 2011 (3<sup>rd</sup> International Workshop on Nonlinear Dynamics and Synchronization) + ISTET 2011 (16<sup>th</sup> International Symposium on Theoretical Electrical Engineering)</li> <li>MQoE 2011 (IEEE Workshop on Multimedia Quality of Experience) @ ISM 2011 (IEEE International Symposium on Multimedia)</li> <li>CCS 2011 (18<sup>th</sup> ACM Conference on Computer and Communications Security)</li> <li>CHI 2011 (29<sup>th</sup> ACM CHI Conference on Human Factors in Computing Systems)</li> <li>ICME 2011 (18<sup>th</sup> IEEE International Conference on Multimedia &amp; Expo)</li> <li>WIFS 2011 (3<sup>rd</sup> IEEE Workshop on Information Forensics and Security)</li> <li>ICC 2011 (36<sup>th</sup> IEEE International Conference on Communications)</li> <li>GLOBECOM 2010 (53<sup>rd</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)</li> <li>ICME 2010 (17<sup>th</sup> IEEE International Conference on Multimedia &amp; Expo)</li> <li>ISCAS 2010 (43<sup>rd</sup> IEEE International Symposium on Circuits and Systems)</li> <li>NOLTA 2010 (20<sup>th</sup> International Symposium on Nonlinear Theory and its Applications)</li> <li>ICCCAS 2010 (8<sup>th</sup> International Conference on Communications, Circuits and Systems)</li> <li>ISCAS 2009 (42<sup>nd</sup> IEEE International Symposium on Circuits and Systems)</li> <li>EUSIPCO 2009 (17<sup>th</sup> European Signal Processing Conference)</li> <li>ACIVS 2009 (11<sup>th</sup> Conference on Advanced Concepts for Intelligent Vision Systems)</li> <li>ICCCAS 2009 (7<sup>th</sup> International Conference on Communications, Circuits and Systems)</li> <li>SSD 2009 (6<sup>th</sup> International Multi-Conference on Systems, Signals and Devices)</li> <li>IWDW 2008 (7<sup>th</sup> International Workshop on Digital Watermarking)</li> <li>ICC 2008 (33<sup>rd</sup> International Conference on Communications)</li> <li>ISCAS 2008 (41<sup>st</sup> IEEE International Symposium on Circuits and Systems)</li> <li>ISCAS 2007 (40<sup>th</sup> IEEE International Symposium on Circuits and Systems)</li> <li>EUSIPCO 2007 (15<sup>th</sup> European Signal Processing Conference)</li> <li>Sarnoff 2007 (30<sup>th</sup> IEEE Sarnoff Symposium)</li> <li>ECCTD 2007 (18<sup>th</sup> European Conference on Circuit Theory and Design)</li> <li>NTMS 2007 (1<sup>st</sup> International Conference on New Technologies, Mobility and Security)</li> <li>ICIAS 2007 (International Conference on Intelligent &amp; Advanced Systems)</li> <li>ISCAS 2006 (39<sup>th</sup> IEEE International Symposium on Circuits and Systems)</li> <li>ICCCAS 2006 (4<sup>th</sup> International Conference on Communications, Circuits and Systems)</li> <li>CNCC 2003 (1<sup>st</sup> China National Computer Conference, 第一届中国计算机大会)</li> </ul>
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## Professional Memberships

Dates	2008 – present
Title of membership	Member (2008-2012), Senior Member (2012-present)

Name of organization	IEEE
Dates	2009 – present
Title of membership	Professional Member
Name of organization	ACM
Dates	2017 – present
Title of membership	Member
Name of organization	IFIP TC 11 Working Group 12: Human Aspects of Information Security and Assurance
Dates	2017 – present
Title of membership	Member
Name of organization	CHPC (Council of Professors and Heads of Computing), UK
Dates	2018 – present
Title of membership	Fellow
Name of organization	BCS, The Chartered Institute for IT
Dates	2018 – present
Title of membership	Member
Name of organization	ABCP (Association of British Chinese Professors, 全英华人教授协会)
Dates	2022 – present
Title of membership	Member
Name of organization	W3C Data Privacy Vocabularies and Controls (DVC) Community Group
Dates	2016 – 2025
Title of membership	Member
Name of organization	<a href="#">Criminal Use of Information Hiding (CUIng) Initiative</a> , Europol's European Cybercrime Centre (EC3)
Dates	2023 – 2024
Title of membership	Member
Name of organization	Offensive Cyber Working Group (OCWG) College of Experts
Dates	2009 – 2011
Title of membership	Editor / Contributor / Delegate to MPEG Meetings
Name of organization	ISO/IEC JCT1/SG29/WG11 (MPEG)
<b>Annexes</b>	<p>Selected Publications</p> <p>All Publications</p> <p>Scientific Software</p>

**Annexes**  
(6 May, 2025)

**Selected Publications  
(Peer-Reviewed)**

1. Enes Altuncu\*, Can Bařkent, Sanjay Bhattacharjee, **Shujun Li** and Dwaipayan Roy, “**FACTors: A New Dataset for Studying the Fact-checking Ecosystem**,” accepted to [SIGIR 2025 \(48th International ACM SIGIR Conference on Research and Development in Information Retrieval\)](#)
2. Yangde Wang\*, Weidong Qiu, Weicheng Zhang, Hao Tian and **Shujun Li\***, “**SE#PCFG: Semantically Enhanced PCFG for Password Analysis and Cracking**,” accepted to [IEEE Transactions on Dependable and Secure Computing](#) in February 2025
3. Peng Tang, Xiaoyu Zhu\*, Weidong Qiu\*, Zheng Huang, Zhenyu Mu and **Shujun Li**, “**FLAD: Byzantine-robust Federated Learning Based on Gradient Feature Anomaly Detection**,” accepted to [IEEE Transactions on Dependable and Secure Computing](#) in February 2025
4. Xuewen Dong\*, Jiachen Li, **Shujun Li**, Zhichao You, Qiang Qu, Yaroslav Kholodov and Yulong Shen, “**Adaptive Backdoor Attacks with Reasonable Constraints on Graph Neural Networks**,” accepted to [IEEE Transactions on Dependable and Secure Computing](#) in January 2025
5. Yuqi Niu\*, Weidong Qiu\*, Peng Tang, Lifan Wang, Shuo Chen, **Shujun Li\***, Nadin K kciyan and Ben Niu, “**Everyone’s Privacy Matters! An Analysis of Privacy Leakage from Real-World Facial Images on Twitter and Associated User Behaviors**,” [Proceedings of the ACM on Human-Computer Interaction \(PACMHCI\)](#), Volume 9, Number 2, Article Number CSCW069, 38 pages, ACM, 2025, to be presented at [CSCW 2025 \(28th ACM Conference on Computer-Supported Cooperative Work and Social Computing\)](#), in Bergen, Norway on October 18-22, 2025
6. Zhichao You\*, Xuewen Dong\*, **Shujun Li**, Ximeng Liu, Siqi Ma and Yulong Shen, “**Local Differential Privacy is Not Enough: A Sample Reconstruction Attack against Federated Learning with Local Differential Privacy**,” [IEEE Transactions on Information Forensics and Security](#), Volume 20, pp. 1519-1534, IEEE, 2025
7. Nandita Pattnaik\*, **Shujun Li\*** and Jason R. C. Nurse, “**Security and privacy perspectives of people living in shared home environments**,” [Proceedings of the ACM on Human-Computer Interaction](#) (PACMHCI), Volume 8, Issue CSCW2, Article Number 368, 40 pages, ACM, 2024, presented at [CSCW 2024 \(27th ACM Conference on Computer-Supported Cooperative Work and Social Computing\)](#)
8. Kai-Fung Chu\*, Haiyue Yuan, Jinsheng Yuan, Weisi Guo, Nazmiye Balta-Ozkan and **Shujun Li**, “**A Survey of AI-Related Cyber Security Risks and Countermeasures in Mobility-as-a-Service**,” [IEEE Intelligent Transportation Systems Magazine](#), Volume 16, Issue 6, pp.37-55, 2024
9. Enes Altuncu, Virginia N. L. Franqueira and **Shujun Li\***, “**Deepfake: Definitions, Performance Metrics and Standards, Datasets, and a Meta-Review**,” [Frontiers in Big Data, Section of Cybersecurity and Privacy](#) as part of the [Research Topic “Cybersecurity and Artificial Intelligence: Advances, Challenges, Opportunities, Threats”](#), Volume 7, 23 page, Frontiers Media S.A., 2024
10. Haozhang Li, Yangde Wang\*, Weidong Qiu, **Shujun Li** and Peng Tang, “**PassTSL: Modeling Human-Created Passwords through Two-Stage Learning**,” in *Information Security and Privacy: 29th Australasian Conference, ACISP 2024, Sydney, NSW, Australia, July 15–17, 2024, Proceedings, Part III, Lecture Notes in Computer Science (LNCS)*, Volume 14897, pp. 404-423, Springer, 2024
11. Zhanbo Liang, Jie Guo\*, Weidong Qiu, Zheng Huang and **Shujun Li\***, “**When Graph Convolution Meets Double Attention: Online Privacy Disclosure Detection with Multi-Label Text Classification**,” [Data Mining and Knowledge Discovery](#), published online in January 2024, Springer, to be presented at [ECML-PKDD 2024](#) (36th European Conference on Machine Learning & 28th European Conference on Principles and Practice of Knowledge Discovery in Databases) in September 2024
12. Ruiyuan Lin, Sheng Liu, Jun Jiang, **Shujun Li\***, Chengqing Li and C.-C. Jay Kuo, “**Recovering sign bits of DCT coefficients in digital images as an optimization problem**,” [Journal of Visual Communication and Image Representation](#), Volume 98, Article Number 104045, 14 pages, Elsevier, 2024
13. Xin Yuan, Jie Guo\*, Weidong Qiu, Zheng Huang and **Shujun Li\***, “**Support or Refute: Analyzing the Stance of Evidence to Detect Out-of-Context Mis- and Disinformation**,” in *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023)*, pp. 4268-4280, ACL, 2023



14. Nandita Pattnaik\*, Shujun Li\* and Jason R.C. Nurse, "A Survey of User Perspectives on Security and Privacy in a Home Networking Environment," [ACM Computing Surveys](#), Volume 55, Number 9, Article Number 180, 38 pages, ACM, 2023
15. Nandita Pattnaik\*, Shujun Li\* and Jason R.C. Nurse, "Perspectives of Non-Expert Users on Cyber Security and Privacy: An Analysis of Online Discussions on Twitter," [Computers & Security](#), Volume 125, Article Number 103008, 15 pages, Elsevier, 2023
16. Rahime Belen Sağlam\*, Enes Altuncu, Yang Lu and Shujun Li\*, "A Systematic Literature Review of the Tension between the GDPR and Public Blockchain Systems," [Blockchain: Research and Applications](#), Volume 4, Number 2, Article Number 100129, 23 pages, Elsevier Science B. V. on behalf of Zhejiang University Press, 2023
17. Sam Parker\*, Haiyue Yuan and Shujun Li\*, "PassViz: A Visualisation System for Analysing Leaked Passwords," in *Proceedings of the 2023 20th IEEE Symposium on Visualization for Cyber Security (VizSec 2023)*, pp. 33-42, IEEE, 2023
18. Maria Sophia Heering\*, Haiyue Yuan and Shujun Li, "The Impact of Privacy and Security Attitudes and Concerns of Travellers on Their Willingness to Use Mobility-as-a-Service Systems," in *Proceedings of the 2023 IEEE 26th International Conference on Intelligent Transportation Systems (ITSC 2023)*, pp. 5573-5578, IEEE, 2023
19. Sharifah Roziah Binti Mohd Kassim\*, Shujun Li and Budi Arief, "Understanding How National CSIRTs Evaluate Cyber Incident Response Tools and Data: Findings from Focus Group Discussions," [Digital Threats: Research and Practice](#), Volume 4, Number 3, Article Number 45, 24 pages, ACM, 2023
20. Jamie Knott\*, Haiyue Yuan\*, Matthew Boakes and Shujun Li\*, "Cyber Security and Online Safety Education for Schools in the UK: Looking through the Lens of Twitter Data," in *Proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing (SAC 2023)*, pp. 1603-1606, ACM, 2023
21. Ali Raza\*, Kim Phuc Tran, Ludovic Koehl and Shujun Li, "AnoFed: Adaptive anomaly detection for digital health using transformer-based federated learning and support vector data description," [Engineering Applications of Artificial Intelligence](#), Volume 121, Article Number 106051, 16 pages, Elsevier, 2023
22. Yang Xu\*, Jie Guo\*, Weidong Qiu, Zheng Huang, Enes Altuncu and Shujun Li, "Comments Matter and The More The Better!': Improving Rumor Detection with User Comments," *Proceedings of the 2022 21st IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2022)*, pp. 383-390, IEEE, 2022
23. Haiyue Yuan\* and Shujun Li\*, "Cyber Security Risks of Net Zero Technologies," in *Proceedings of the 2022 5th IEEE Conference on Dependable and Secure Computing (IEEE DSC 2022)* as an invited paper, to be published by IEEE in 2022  
(This work was originally produced as an unpublished technical report: Haiyue Yuan\* and Shujun Li\*, "Cyber Security Risks of Net Zero Technologies," technical report, 28 pages, April 2022, for DCMS (Department for Digital, Culture, Media and Sport), UK Government)
24. Sarah Turner\*, Nandita Pattnaik, Jason R. C. Nurse and Shujun Li, "You just assume it is in there, I guess': Understanding UK families' application and knowledge of smart home cyber security," [Proceedings of the ACM on Human-Computer Interaction \(PACMHCI\)](#), Volume 6, Issue CSCW2, Article Number 269, 34 pages, ACM, 2022, presented at [CSCW 2022 \(25th ACM Conference on Computer-Supported Cooperative Work and Social Computing\)](#)
25. Kryisia Emily Waldock, Vince Miller, Shujun Li and Virginia N.L. Franqueira, "Pre-University Cyber Security Education: A report on developing cyber skills amongst children and young people," technical report, 159 pages, Global Forum on Cyber Expertise (GFCE), February 2022
26. Keenan Jones\*, Jason R. C. Nurse and Shujun Li, "Are You Robert or RoBERTa? Deceiving Online Authorship Attribution Models Using Neural Text Generators," in *Proceedings of the 2022 16th AAAI International Conference on Web and Social Media (ICWSM 2022)*, pp. 429-440, AAAI, 2022
27. Keenan Jones\*, Jason R.C. Nurse and Shujun Li, "Out of the Shadows: Analyzing Anonymous' Twitter Resurgence during the 2020 Black Lives Matter Protests," in *Proceedings of the 2022 16th AAAI International Conference on Web and Social Media (ICWSM 2022)*, pp. 417-428, AAAI, 2022
28. Yang Lu\* and Shujun Li, "From Data Flows to Privacy-Benefit Trade-offs: A User-Centric Semantic Model," [Security and Privacy](#), Volume 5, Issue 4, Article Number e225, 24 pages, John Wiley & Sons Ltd, 2022
29. Ali Raza\*, Kim Phuc Tran, Ludovic Koehl and Shujun Li, "Designing ECG Monitoring Healthcare System with Federated Transfer Learning and Explainable AI," [Knowledge-Based Systems](#), Volume 236, Article Number 107763, 17 pages, Elsevier, 2022

30. Yang Lu\*, Shujun Li, Alex Freitas and Athina Ioannou, "How data-sharing nudges influence people's privacy preferences: A machine learning-based analysis," [\*EAI Endorsed Transactions on Security and Safety\*](#), Volume 8, Issue 30, Article Number e3, 20 pages, EAI, 2022
31. Haiyue Yuan\*, Shujun Li\* and Patrice Rusconi, "CogTool+: Modeling human performance at large scale," [\*ACM Transactions on Computer-Human Interaction\*](#), Volume 28, Issue 2, Article Number 7, 38 pages, ACM, 2021
32. Athina Ioannou\*, Iis Tussyadiah, Graham Miller, Shujun Li and Mario Weick, "Privacy nudges for disclosure of personal information: A systematic literature review and meta-analysis," [\*PLoS ONE\*](#), Volume 16, Issue 8, Article Number e0256822, 29 pages, PLoS, 2021
33. Ingolf Becker\*, Rebecca Posner\*, Tasmina Islam, Paul John Ekblom, Hervé Borrión, Michael McGuire and Shujun Li, "Privacy in Transport? Exploring Location Privacy User Segments," in *Proceedings of the 54th Hawaii International Conference on System Sciences (HICSS 2021)*, pp. 5347-5356, University of Hawai'i at Mānoa, 2021 (**Best Paper Award of Location Intelligence Invited Track**)
34. Haiyue Yuan, Shujun Li and Patrice Rusconi, [\*Cognitive Modeling for Automated Human Performance Evaluation at Scale\*](#), part of [\*Human-Computer Interaction Series book series \(HCIS\)\*](#) and of [\*SpringerBriefs in Human-Computer Interaction book sub series \(BRIEFSHUMAN\)\*](#), ISBN 978-3-030-45704-4, 2020
35. Çağrı B. Aslan\*, Shujun Li\*, Fatih V. Çelebi and Hao Tian, "The World of Defacers: Looking through the Lens of Their Activities on Twitter," [\*IEEE Access\*](#), Volume 8, pp. 204132-204143, IEEE, 2020
36. Keenan Jones\*, Jason R.C. Nurse and Shujun Li, "Behind the Mask: A Computational Study of Anonymous' Presence on Twitter," in *Proceedings of the 14th AAAI International Conference on Web and Social Media (ICWSM 2020)*, pp. 327-338, AAAI, 2020 (**Honorable Mentions for Best Paper Award; acceptance rate of full papers: 72/298=24%**)
37. Carlos Javier Hernández-Castro\*, Shujun Li\* and María D. R-Moreno, "All About Uncertainties and Traps: Statistical Oracle-based Attacks on a New CAPTCHA Protection Against Oracle Attacks," [\*Computers & Security\*](#), Volume 92, Article Number 101758, Elsevier, 2020
38. Rahime Belen Sağlam\*, Çağrı B. Aslan, Shujun Li\*, Lisa Dickson and Ganna Pogrebnia, "A Data-Driven Analysis of Blockchain Systems' Public Online Communications on GDPR," in *Proceedings of the 2nd IEEE International Conference on Decentralized Applications and Infrastructures (IEEE DAPPS 2020)*, pp. 22-31, IEEE, 2020
39. 李树钧、卢扬, "人工智能与网络空间安全: 黑(攻)与白(防)?" 《人工智能与未来社会发展》第八章, 郭毅可主编, 119-156 页, 2020 年出版 © 科学技术文献出版社  
Shujun Li and Yang Lu, "AI and Cyber Security: Black (Offence) and White (Defence)?" Chapter 8 of *AI and Future Social Development*, edited by Yi-Ke Guo, pp. 119-156, 2020 © Scientific and Technical Documentation Press, China
40. Chengqing Li\*, Bingbing Feng, Shujun Li, Jürgen Kurths and Guanrong Chen, "Dynamic Analysis of Digital Chaotic Maps via State-Mapping Networks," [\*IEEE Transactions on Circuits and Systems I: Regular Papers\*](#), Volume 66, Issue 6, pp. 2322-2335, IEEE, 2019 (**2022 IEEE Transactions on Circuits and Systems Guillemín-Cauer Best Paper Award: 1 out of 3,000+ papers published at IEEE Transactions on Circuits and Systems I: Regular Papers and IEEE Transactions on Circuits and Systems Part II: Express Briefs in 2019, 2020 and 2021**)
41. Ximing Liu\*, Yingjiu Li, Robert H. Deng, Bing Chang and Shujun Li, "When Human Cognitive Modeling Meets PINs: User-Independent Inter-Keystroke Timing Attacks," [\*Computers & Security\*](#), Volume 80, pp. 90-107, Elsevier, 2019
42. Mohamad Imad Mahaini\*, Shujun Li\* and Rahime Belen Sağlam, "Building Taxonomies based on Human-Machine Teaming: Cyber Security as an Example," in *Proceedings of the 14th International Conference on Availability, Reliability and Security (ARES 2019)*, Article Number 30, ACM, 2019
43. Yang Lu\*, Shujun Li\*, Athina Ioannou and Iis Tussyadiah, "From Data Disclosure to Privacy Nudges: A Privacy-aware and User-centric Personal Data Management Framework," in *Dependability in Sensor, Cloud, and Big Data Systems and Applications: 5th International Conference, DependSys 2019, Guangzhou, China, November 12–15, 2019, Proceedings, Communications in Computer and Information Science*, Volume 1123, pp. 262-276, Springer, 2019
44. Tasmina Islam, Ingolf Becker, Rebecca Posner, Paul Ekblom, Michael McGuire, Hervé Borrión and Shujun Li\*, "A Socio-Technical and Co-Evolutionary Framework for Reducing Human-Related Risks in Cyber Security and Cybercrime Ecosystems," in *Dependability in Sensor, Cloud, and Big Data Systems and Applications: 5th International Conference, DependSys 2019*,



- Guangzhou, China, November 12–15, 2019, *Proceedings, Communications in Computer and Information Science*, Volume 1123, pp. 277-293, Springer, 2019
45. Shujun Li\*, Anthony T.S. Ho, Zichi Wang and Xinpeng Zhang, “**Lost in the Digital Wild: Hiding Information in Digital Activities**,” in *Proceedings of the 2nd International Workshop on Multimedia Privacy and Security (MPS 2018, co-location with ACM CCS 2018)*, ACM, 2018
  46. Haiyue Yuan\*, Shujun Li\*, Patrice Rusconi and Nouf Aljaffan, “**When Eye-tracking Meets Cognitive Modeling: Applications to Cyber Security Systems**,” in *Human Aspects of Information Security, Privacy and Trust: 5th International Conference, HAS 2017, Held as Part of HCI International 2017, Vancouver, BC, Canada, July 9-14, 2017, Proceedings, Lecture Notes in Computer Science*, Volume 10292, pp. 251-264, Springer, 2017 (**HAS 2017 Best Paper Award, 1 out of 46 papers  $\approx$  2.2%**)
  47. Anthony T. S. Ho and Shujun Li (Editors), *Handbook of Digital Forensics of Multimedia Data and Devices*, 680 pages (e-book 704 pages), 16 chapters, ISBN: 978-1-118-64050-0 (e-book ISBN: 978-1-118-70579-7), John Wiley & Sons, Inc. and IEEE Press, 2015
  48. Hassan Jameel Asghar\*, Ron Steinfeld, Shujun Li, Dali Kaafar and Josef Pieprzyk, “**On the Linearization of Human Identification Protocols: Attacks based on Linear Algebra, Coding Theory and Lattices**,” *IEEE Transactions on Information Forensics and Security*, Volume 10, Issue 8, pp. 1643-1655, IEEE, 2015
  49. Hassan Jameel Asghar\*, Shujun Li\*, Ron Steinfeld and Josef Pieprzyk, “**Does Counting Still Count? Revisiting the Security of Counting based User Authentication Protocols against Statistical Attacks**,” in *Proceedings of the 20th Annual Network & Distributed System Security Symposium (NDSS 2013)*, Internet Society, 2013 (**Acceptance rate: 47/250=18.8%**)
  50. Toni Perković\*, Asma Mumtaz, Yousra Javed, Shujun Li\*, Syed Ali Khayam and Mario Čagalj, “**Breaking Undercover: Exploiting Design Flaws and Nonuniform Human Behavior**,” in *Proceedings of the 7th Symposium On Usable Privacy and Security (SOUPS 2011)*, ACM, 2011 (Acceptance rate: 15/45=33.3%)
  51. Shujun Li\*, Ahmad-Reza Sadeghi, Soeren Heisrath, Roland Schmitz and Junaid Jameel Ahmad, “**hPIN/hTAN: A Lightweight and Low-Cost e-Banking Solution against Untrusted Computers**,” in *Financial Cryptography and Data Security: 15th International Conference, FC 2011, Gros Islet, St. Lucia, February 28 - March 4, 2011, Revised Selected Papers, Lecture Notes in Computer Science*, Volume 7035, pp. 235-249, Springer, 2012 (**Acceptance rate of long papers: 15/74=20.3%**)
  52. Shujun Li\*, Andreas Karrenbauer, Dietmar Saupe and C.-C. Jay Kuo, “**Recovering Missing Coefficients in DCT-Transformed Images**,” in *Proceedings of the 2011 18th IEEE International Conference on Image Processing (ICIP 2011)*, pp. 1537-1540, IEEE, 2011
  53. Shujun Li\*, Syed Amier Haider Shah, Muhammad Asad Usman Khan, Syed Ali Khayam, Ahmad-Reza Sadeghi and Roland Schmitz, “**Breaking e-Banking CAPTCHAs**,” in *Proceedings of the 26th Annual Computer Security Applications Conference (ACSAC 2010)*, pp. 171-180, ACM, 2010 (**Acceptance rate: 39/227=17.2%**)
  54. Shujun Li\*, Hassan Jameel Asghar, Josef Pieprzyk, Ahmad-Reza Sadeghi, Roland Schmitz and Huaxiong Wang, “**On the Security of PAS (Predicate-based Authentication Service)**,” in *Proceedings of the 25th Annual Computer Security Applications Conference (ACSAC 2009)*, pp. 209-218, IEEE Computer Society, 2009 [Full paper: <http://eprint.iacr.org/2009/476>] (**Acceptance rate: 44/224=19.6%**)
  55. Chengqing Li\*, Shujun Li\*, Muhammad Asim, Juana Nunez, Gonzalo Alvarez and Guanrong Chen, “**On the security defects of an image encryption scheme**,” *Image and Vision Computing*, Volume 27, Issue 9, pp. 1371-1381, Elsevier, 2009
  56. Shujun Li\* and Roland Schmitz, “**A Novel Anti-Phishing Framework Based on Honeypots**,” in *Proceedings of the 4th Annual APWG eCrime Researchers Summit (eCRS 2009, Tacoma, WA, USA, 20 & 21 October 2009)*, 13 pages, IEEE, 2009 (Acceptance rate: 35%)
  57. Shujun Li\*, Chengqing Li, Kwok-Tung Lo and Guanrong Chen, “**Cryptanalyzing an Encryption Scheme Based on Blind Source Separation**,” *IEEE Transactions on Circuits and Systems—I: Regular Papers*, Volume 55, Issue 4, pp. 1055-1063, IEEE, 2008
  58. Shujun Li\*, Chengqing Li, Kwok-Tung Lo and Guanrong Chen, “**Cryptanalysis of an Image Scrambling Scheme without Bandwidth Expansion**,” *IEEE Transactions on Circuits and Systems for Video Technology*, Volume 18, Issue 3, pp. 338-349, IEEE, 2008
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