

Curriculum Vitae (2 August 2023)

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

Postal address (Office)

Visiting Professor, [Department of Computer Science](#), [University of Surrey](#), Guildford, UK (2017-23)
School of Computing, University of Kent, Canterbury, Kent, CT2 7NF, UK

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Research Interests

Cyber security (socio-technical security, systems security, user authentication, privacy, digital forensics and cybercrime, information hiding), human factors (usability, user-centric computing, human behaviors, cognitive modeling), Internet measurement and social media analytics, human-machine teaming and human computation, multimedia computing (multimedia security and forensics, image/video coding, visual quality assessment, information visualization), applications of artificial intelligence and discrete optimization, digital chaos: theory and applications

Scientometrics

[ResearchGate](#)

[h-index](#) = 45 (self-citations included), [h-index](#) = 42 (self-citations **excluded**); total citations > 8300

[Google Scholar](#)

[h-index](#) = 49 (self-citations included); total citations > 9900

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

Research/Work Experience

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 (≈ Associate Professor++ or Professor-- depending on how this rank is aligned with other academic systems)
Department	Department of Computer Science
Name of employer	University of Surrey, UK
Dates	September 2011 – March 2017
Occupation or position held	Senior Lecturer (≈ Associate Professor)
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) Department of Computer and Information Science
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
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
Honors and Awards	
Date	2022
Title of honor/award	IEEE Transactions on Circuits and Systems Guillemín-Cauer Best Paper Award (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	IEEE SMC Society TCHS Research and Innovation Award (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	Best Paper Award of Experience and Practice Track 5 th 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	Top 4% of College members for participating in peer review activities during the 2020/21 academic year
Name of awarding organization	Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI)
Date	2021
Title of honor/award	Best Paper Award of Location Intelligence Invited Track (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 th Hawaii International Conference on System Sciences (HICSS 2021)
Name of awarding organization	HICSS 2021 Organizing Committee
Date	2020
Title of honor/award	Honorable Mention Award (1 out of 9 papers that were nominated for Best Paper Award, which were selected from 72 full papers accepted) 14 th AAAI International Conference on Web and Social Media (ICWSM 2020)
Name of awarding organization	ICWSM 2020 Organizing Committee
Date	2017
Title of honor/award	Best Paper Award (1 out of 46 accepted papers) 5 th 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	Best Paper Award (1 of 3, out of 95 accepted papers) IEEEJ (The Institute of Image Electronics Engineering of Japan) IEVC 2012 (3rd Image Electronics and Visual Computing Workshop)
Name of awarding organization	IEEEJ 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	Outstanding PhD Thesis Award
Title of work	Analyses and New Designs of Digital Chaotic Ciphers
Name of awarding organization	Education Department of Shaanxi Provincial Government (陕西省教育厅), China
Date	2004
Title of honor/award	Outstanding PhD Thesis Award
Title of work	Analyses and New Designs of Digital Chaotic Ciphers
Name of awarding organization	Xi'an Jiaotong University, China
Date	2000

Title of honor/award	2 nd Award for Improvements in Science and Technology, 5 th 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 rd Award for Improvements in Science and Technology) in 2000, Education Department of Shaanxi Provincial Government, (2 nd Award for Improvements in Science and Technology) in 1999 and Xi'an Jiaotong University (1 st Award for Improvements in Science and Technology) in 1998.
Research Grants (Ongoing)	
Type	PhD studentship
Title of project	Improving the Privacy and Security in Federated Learning
Funding amount	£153,347
Role	Principal supervisor
Duration	09/2023 – 02/2027 (42 months)
Name of funding body	Honda Research Institute Europe (HRI-EU), Germany
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	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 – 09/2023 (36 months)
Name of funding body	NIHR (National Institute for Health Research) SSCR (School for Social Care Research), UK
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
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)
Research Grants (Completed)	
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	Innovation project
Title of project	Unconscious bias in hiring
Funding amount	£19,935.91
Role	Co-I
Duration	09/2022 – 02/2024 (4.5 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 body	GFCE (Global Forum on Cyber Expertise), The Netherlands
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, Behavioural Science 10+ members of Advisory Board from 7 different countries (including UK) 10+ stakeholder organisations 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 th 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 th ACM Workshop on Multimedia and Security (ACM MM&Sec 2011) 18 th IEEE International Conference on Image Processing (ICIP 2011) 95 th to 98 th MPEG Meetings in 2011 7 th Symposium On Usable Privacy and Security (SOUPS 2011) 15 th International Conference on Financial Cryptography and Data Security (FC 2011) 2 nd International Conference on Trusted Systems (INTRUST 2010) 26 th Annual Computer Security Applications Conference (ACSAC 2010) 94 th MPEG Meeting (October 2010) 17 th IEEE International Conference on Image Processing (ICIP 2010) 35 th IEEE International Conference on Communications (ICC 2010) 14 th International Conference on Financial Cryptography and Data Security (FC 2010) 25 th Annual Computer Security Applications Conference (ACSAC 2009) 4 th APWG eCrime Researchers Summit (eCRS 2009)
Funding amount	€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 Humboldt Research Fellowship in Germany)
Name of funding body	The Hong Kong Polytechnic University, China
Teaching Experience	
Title of course	Information Security Management
Terms	2021-2023 (Spring Term)
Reference number	COMP8340/COMP6660
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	Privacy
Terms	2021-2023 (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	2018-2021 (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	2017-2021 (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	2018-2021 (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	2014-2017 (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	2014-2022 (Spring Semester)
Reference number	COMM047

Language of instruction	English
Responsibility	Module coordinator in 2015-2016 Co-instructor (jointly with 3 other co-instructors) in 2014-2015 and 2016-2017 Guest lecturer in 2018-22 (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
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Title of course	Web Publishing and Databases
Terms	2011-2013 (Spring Semester), 2013-2017 (Winter Semester)
Reference number	COM1025
Language of instruction	English
Responsibility	2011-2012 (Spring Semester) and 2013-2016 (Winter Semester): Sole instructor 2012-2013 (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
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Title of course	Introduction to Multimedia Security
Terms	2011-2012 (Winter Semester), 2013-2014 (Winter Semester)
Reference number	COMM023
Language of instruction	English
Responsibility	2011-2012 (Winter Semester): Sole instructor 2013-2014 (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
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Title of course	Advanced Algorithms
Terms	2011-2012 (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
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Title of course	Multimedia Coding
Terms	2009-2010 (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
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PhD Supervision and Examination	
As principal supervisor (8)	<ul style="list-style-type: none"> • Ali Raza, University of Lille, France & University of Kent, UK (Lille-Kent dual-award / cotutelle PhD, 2020-present) • Nandita Pattnaik, University of Kent, UK (2020-present) • Sharifah Roziah Binti Mohd Kassim, University of Kent, UK (2020-present) • Enes Altuncu, University of Kent, UK (2019-present) • Mohamad Imad Mahaini, University of Kent, UK (2018-present)

	<ul style="list-style-type: none"> • Saeed Ibrahim Saeed Alqahtani, University of Surrey, UK (2014-2019, awarded in 2019) • Nouf Aljaffan, University of Surrey, UK (2013-2017, awarded in 2017) • Junaid Jameel Ahmad, Universität Konstanz, Germany (2009-2012, awarded in 2013)
As co-supervisor (9)	<ul style="list-style-type: none"> • Sarah Turner, University of Kent, UK (2020-present) • Keenan Jones, University of Kent, UK (2020-present) • Pierre Mondon, University of Kent, UK (2020-2021) • Franziskus Kiefer, University of Surrey, UK (2013-2016, awarded in 2016) • Craig McDermott, University of Surrey, UK (2015-2017) • Aamo Iorlam, University of Surrey, UK (2015-2016, started in 2013, awarded in 2016) • Areej Alfraih, University of Surrey, UK (2014-2015, started in 2011, awarded in 2015) • Kongfeng Zhu, Universität Konstanz, Germany (2010-2011, stopped being co-supervisor after moving to Surrey in 09/2011, awarded in 2013) • Rajib Ahsan, Universität Konstanz, Germany (2010-2011, moved to industry in 2012 before completion)
As external examiner: in the UK (13)	<ul style="list-style-type: none"> • 2022: King's College London; Northumbria University; De Montford University • 2020: Imperial College London; University of Sheffield; Newcastle University; De Montford University • 2018: University of Manchester; University of Warwick • 2017: City, University of London; Cardiff University; University of Hertfordshire • 2016: City, University of London
As chair of defense committee: outside of the UK (1)	<ul style="list-style-type: none"> • 2022: Nanjing University of Posts and Telecommunications (China)
As external examiner: outside of the UK (7)	<ul style="list-style-type: none"> • 2023: B. S. Abdur Rahman Crescent Institute Of Science And Technology (India); NIT Sikkim (India) • 2022: University of South Africa • 2021: Macquarie University (Australia) • 2020: University of Calgary (Canada) • 2019: Macquarie University (Australia) • 2015: Universidad Autónoma de Madrid / UAM, Autonomous University of Madrid (Spain)
As internal examiner of final thesis (3)	<ul style="list-style-type: none"> • 2013, 2015, 2016: University of Surrey (UK)
Managerial and Administrative Roles	
As senior manager	<ul style="list-style-type: none"> • Director, Institute of Cyber Security for Society (iCSS), University of Kent, UK: 01/2021-present • Vice President for IT & External Liaison, Association of British Chinese Professors (ABCP, 全英华人教授协会): 08/2021-present • Vice President for Internal Communications & Public Relations, Association of British Chinese Professors (ABCP, 全英华人教授协会): 06/2018-08/2021 • Director, Kent Interdisciplinary Research Centre in Cyber Security (KirCCS), University of Kent, UK: 11/2017-12/2020 • Deputy Director, Surrey Centre for Cyber Security (SCCS), University of Surrey: 07/2014-10/2017 • Director of PGR (PhD) Studies, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey: 12/2014-10/2017
As coordinator	<ul style="list-style-type: none"> • Website Coordinator, Surrey-China Academics Network (SCAN), University of Surrey, UK: 06/2016-10/2017 • Website and Mailing Lists Coordinator, Surrey Centre for Cyber Security (SCCS), University of Surrey, UK: 07/2014-10/2017 • Website Coordinator, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey, UK: 09/2011-10/2017 • PhD Admissions Tutor, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey, UK: 12/2014-10/2017 • MSc Admissions Tutor, Department of Computing, University of Surrey, UK: 05/2012-09/2013 • Departmental Seminar Series Organiser, Department of Computing, University of Surrey, UK: 09/2011-03/2012
As member of management-oriented committees and bodies	<ul style="list-style-type: none"> • Member, Central Research Ethics Advisory Group (CREAG), University of Kent, UK: 02/2021-present • 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

	<ul style="list-style-type: none"> Member, School Promotion Panel (as Full Professor), School of Computing, University of Kent, UK: 11/2017-07/2020 Member, Management Committee, Surrey-China Academics Network (SCAN), University of Surrey, UK: 06/2016-10/2017 Member, University Ethics Committee, University of Surrey, UK: 05/2015-10/2017 Member, Law Enforcement, Defence and Security (LEDS) Network, University of Surrey, UK: 07/2012-10/2017 Member, Faculty IT Governance Group, Faculty of Engineering and Physical Sciences (FEPS), University of Surrey, UK: 02/2014-10/2017 Member, Research Management Committee, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey, UK: 12/2014-10/2017 Member, Policy and Strategy Committee, Department of Computing, University of Surrey, UK: 12/2014-06/2015 Member, MSc Teaching Management Committee, Department of Computing, University of Surrey, UK: 06/2013-06/2015
Professional Activities Scientific journal: As editorial board member	<ul style="list-style-type: none"> <u>IEEE Transactions on Dependable and Secure Computing</u> (Associate Editor, 2021-present) <u>EAI Endorsed Transactions on Security and Safety</u> (Editorial Board Member, 2017-present) <u>Journal of Surveillance, Security and Safety</u> (Editorial Board Member, 2022-present) <u>Journal of Cyber Security and Mobility</u> (Editorial Board Member, 2016-present) <u>Journal of Visual Communication and Image Representation</u> (Editorial Board Member, 2012-present) <u>Journal of Information Security and Applications</u> (formerly known as <u>Information Security Technical Report</u> before May 2013, Editorial Board Member, 2012-present) <u>Heliyon</u> (Editorial Board Member, 2015-2018) <u>International Journal of Bifurcation and Chaos</u> (Associate Editor, 2012-2014; Guest Associate Editor, 2010-2011)
Scientific journal: As special issue guest editor	<ul style="list-style-type: none"> Guangjie Liu, Weiwei Liu, Shujun Li and Jinwei Wang, <u>Security and Communication Networks, Special Section on Intelligent Network Traffic Analysis</u>, Hindawi, 2021-2022 (papers published as they were accepted so do not appear in a single volume or issue) Guorui Feng, Sheng Li, Haoliang Li and Shujun Li, <u>Multimedia Systems, Special Issue on Low Complexity Methods for Multimedia Security</u>, 27(3):303-415, Springer, 2021 Shujun Li*, Willy Susilo and Wei Wang, <u>Computers & Security, Special Issue on Privacy in Computing with Big Data and AI</u>, Elsevier, 2020 (papers published in multiple volumes) Fagen Li*, Shujun Li*, Fuchun Guo, Tsuyoshi Takagi, Mingwu Zhang and Lein Harn, <u>Journal of Information Security and Applications, Special Issue on New Frontiers in Cyber Security</u>, Elsevier, 2019 Shujun Li*, Michael Levi, David Maimon, Kim-Kwang Raymond Choo and Gianluca Stringhini, <u>Crime Science: An Interdisciplinary Journal, Special Section on Cybercrime: interdisciplinary approaches to cutting crime and victimisation in cyber space</u>, BioMed Central Ltd, 2018-2019 (papers published as they were accepted so do not appear in a single volume or issue) Anderson Rocha*, Shujun Li, C.-C. Jay Kuo, Alessandro Piva and Jiwu Huang, <u>Journal of Visual Communication and Image Representation, Special Section on Data-driven Multimedia Forensics and Security</u>, Elsevier, 2018 (papers published as they were accepted so do not appear in a single volume or issue) Ding Wang*, Shujun Li and Qi Jiang, <u>Security and Communication Networks, Special Issue on User Authentication in the IoE Era: Attacks, Challenges, Evaluation, and New Designs</u>, John Wiley & Sons, Inc. and Hindawi, 2018 (papers published as they were accepted so do not appear in a single volume or issue) Shujun Li*, Konrad Rieck and Alan Woodward, <u>Journal of Information Security and Applications, Special Section on Threat Detection, Analysis & Defense</u>, 19(3):163-244, 2014 Shujun Li* and Edgar Weippl, <u>Information Security Technical Report</u> (renamed to <u>Journal of Information Security and Applications</u> in May 2013), <u>Special Issue: ARES 2012 7th International Conference on Availability, Reliability and Security</u>, 17(4):129-252, 2013
As member of advisory bodies	<ul style="list-style-type: none"> <u>ARES (International Conference on Availability, Reliability and Security)</u>: Member of Steering Committee (2019-) <u>SocialSec (International Symposium on Security and Privacy in Social Networks and Big Data)</u>: Member of Steering Committee (2023-) <u>UK-SPS (Cyber Security & Privacy Seminar Series)</u>: Member of Steering Committee (2021-) EPSRC funded <u>SPRITE+ (Security, Privacy, Identity and Trust Engagement NetworkPlus)</u>: Expert Fellow (2019-)

	<ul style="list-style-type: none"> • EU funded H2020 project TRESCA (Trustworthy, Reliable and Engaging Scientific Communication Approaches): Member of Advisory Board (2020-) • EU funded H2020 project SIMARGL (Secure Intelligent Methods for Advanced Recognition of Malware and Stegomalware): Member of Advisory Board (2019-) • HKIE (Hong Kong Institution of Engineers): Member of Transactions International Advisors (TIA) (2018-) • CYBERNOMICS (journal): Member of International Advice Giving Panel (2020-) • EPSRC and NCSC funded RISCS (Research Institute in Science of Cyber Security): Member of Scientific Board (2018-2022) • CyberTECHTalents 2019, London Cyber Event: Member of Steering Committee
Services for higher education sector	<ul style="list-style-type: none"> • External Assessor, Professorship/Readership in Cybersecurity, Newcastle University, 2022 • External Member of Selection Panel of Professorship in Cyber Security, Swansea University, 2022 • Promotion Application Assessor, Cardiff University, 2022 • Promotion Application Assessor, Royal Holloway, University of London, 2022 • Promotion Application Assessor, Higher Colleges of Technology (HCT), UAE, 2022 • External Examiner of UG Information Security programmes, Royal Holloway, University of London, 2021-present • External Examiner of Advanced MSc Computer Science Programmes, Birkbeck College, University of London, 2016-2020 • Promotion Application Assessor, University of Greenwich, 2020 • REF 2021 External Assessor, University of Leeds, 2020 • REF 2021 External Assessor, Edinburgh Napier University, 2019-2020 • Promotion Application Assessor, University of Jordan, 2019 • External Member of Validation Panel of MSc Cyber Security Programme, University of the West England, Bristol, UK, November 2017
External roles at other research institutions, centers and groups	<ul style="list-style-type: none"> • Universität Konstanz, Germany: Research Alumni Ambassador (2014-) • Center for Cyber Security and International Relations Studies (CCSIRS), Interdepartmental Center for Strategic, International and Entrepreneurial Studies (CSSII), Department of Political Sciences, University of Florence, Italy: International Member (2019-) • Centre for Chaos and Complex Networks (CCCC), City University of Hong Kong, China: Associate Member (2005-2019)
Research grants/Awards: As evaluator	<ul style="list-style-type: none"> • Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI), UK: 2014-present <ul style="list-style-type: none"> ◦ Member of EPSRC Peer Review College: 2017-present ◦ Member of EPSRC Associate Peer Review College: 2016-2017 • Economic and Social Research Council (ESRC), UK Research and Innovation (UKRI), UK: 2021 and 2023 • British Council, UK: 2019 (Newton Fund – Newton Prize), 2020 (Newton Fund – Newton Prize), 2022 (UK-ASEAN ECRs) • Research Council of Norway (RCN): 2022 • Research & Innovation Foundation, Cyprus: 2021, 2022 • 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 • FRIAS COFUND Fellowship Programme (FCFP) Fellowships, Freiburg Institute for Advanced Studies (FRIAS), University of Freiburg, Germany: 2019/20 • CPHC-BCS Distinguished Dissertation in Computer Science, CPHC and BCS, UK: 2018 • Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek – Vlaanderen, FWO), Belgium: 2013 • Schweizerischen Akademie der Technischen Wissenschaften (SATW, Swiss Academy of Engineering Sciences) "PHC Germaine de Staël" research funding programme: 2011-2012 • Swiss National Science Foundation (SNSF): 2011 • Independent Research Start-up Grant (IRSG), Zukunftskolleg, University of Konstanz, Germany: 2011 • HKIE (The Hong Kong Institution of Engineers): Outstanding Paper Award 2006
Scientific conferences and workshops: As general (co-)chair / TPC (technical program committee) (co-)chair	<ul style="list-style-type: none"> • EICC 2024 (5th European Interdisciplinary Cybersecurity Conference): Conference Chair • NSS 2023 (17th International Conference on Network and System Security) and SocialSec 2023 (9th International Symposium on Security and Privacy in Social Networks and Big Data): NSS 2023 TPC Co-Chair and NSS-SocialSec 2023 Publication Chair • PCDS 2023 (9th IEEE International Conference on Privacy Computing and Data Security) @ 2023 9th IEEE Smart World Congress: TPC Co-Chair • EAI SaSeIoT 2023 (7th EAI International Conference on Safety and Security in Internet of Things): General Co-Chair • MedAI 2023 (1st International Conference on Medical Artificial Intelligence): Area Chair for Trustworthy AI

	<ul style="list-style-type: none"> • ICICS 2022 (24th International Conference on Information and Communications Security): General Co-Chair • IEEE DSC 2022 (5th IEEE Conference on Dependable and Secure Computing): TPC Co-Chair (Main Track) • EAI SPNCE 2022 (5th EAI International Conference on Security and Privacy in New Computing Environments): TPC Co-Chair • EAI SecureComm 2021 (17th EAI International Conference on Security and Privacy in Communication Networks): General Co-Chair • MPS 2020 (3rd International Workshop on Multimedia Privacy and Security): General Co-Chair and TPC Co-Chair • ARES 2019 (14th International Conference on Availability, Reliability and Security): General Chair • PriCom 2019 (5th International Symposium on Privacy Computing): General Co-Chair and TPC Co-Chair • ATC 2019 (15th IEEE Advanced and Trusted Computing) @ Smart World Congress 2019: Program Co-Chair • MPS 2018 (2nd International Workshop on Multimedia Privacy and Security) @ ACM CCS 2018: General and TPC Co-Chair • CyberSciTech 2018 (3rd IEEE Cyber Science and Technology Congress): TPC Co-Chair (Track 1: Cyberspace & Cyber Security) • HHMC 2017 (Workshop on Hybrid Human-Machine Computing: From Human Computation to Social Computing and Beyond): General Chair and TPC Co-Chair • SPCPS 2017 (Workshop on Security and Privacy in Cyber-Physical Systems) @ IEEE CYBCONF 2017 (3rd IEEE International Conference on Cybernetics): General Chair and TPC Co-Chair • PRACTICE 2017 (Workshop on PRactical Applications of CogniTIve Computing in Emerging topics) @ IEEE CYBCONF 2017 (3rd IEEE International Conference on Cybernetics): General Chair and TPC Co-Chair
Scientific conferences and workshops: As organizing committee member	<ul style="list-style-type: none"> • ICICS 2023 (25th International Conference on Information and Communications Security): Publicity Co-Chair • 2022 3rd UK Cyber Security PhD Winter School: Member of Organising Committee and Session Chair • ARES 2021 (16th International Conference on Availability, Reliability and Security): Session Chair • ESORICS 2020 (25th European Symposium on Research in Computer Security): Session Chair • ARES 2020 (15th International Conference on Availability, Reliability and Security): Session Chair • EAI SPNCE 2020 (3rd EAI International Conference on Security and Privacy in New Computing Environments): Publicity and Social Media Co-Chair • IFIP CD-MAKE 2020 (4th IFIP International Cross Domain Conference for Machine Learning & Knowledge Extraction): Session Chair • IEEE ICASSP 2019 (44th IEEE International Conference on Acoustic, Speech, and Signal Processing): Publicity Co-Chair • ICICS 2018 (20th International Conference on Information and Communications Security): Publicity Co-Chair and Session Chair • IEEE SMC 2017 (IEEE International Conference on Systems, Man, and Cybernetics): Special Session Co-Chair • APSIPA ASC 2017 (9th Asia-Pacific Signal and Information Processing Association Annual Summit and Conference): European Liaison • ACNS 2016 (14th International Conference on Applied Cryptography and Network Security): Publicity Chair • CCSNA 2015 (3rd Workshop on Cloud Computing Systems, Networks, and Applications), organized in conjunction with IEEE ICC 2015 (40th IEEE International Conference on Communications): Publicity Co-Chair • MLSP 2013 (23rd IEEE International Workshop on Machine Learning for Signal Processing): Local Arrangement Co-Chair • UKCI 2013 (13th Annual UK Workshop on Computational Intelligence): Publicity Co-Chair • INTRUST 2010 (2nd International Conference on Trusted Systems): Session Chair
Scientific conferences and workshops: As TPC member	<ol style="list-style-type: none"> 1. TheWebConf 2023 (32nd ACM Web Conference, formerly known as International World Wide Web/WWW Conference): Security, Privacy & Trust Track 2. ACL 2023 (61st Annual Meeting of the Association for Computational Linguistics) 3. ICICS 2023 (25th International Conference on Information and Communications Security) 4. ARES 2023 (18th International Conference on Availability, Reliability and Security) 5. ISPEC 2023 (18th International Conference on Information Security Practice and Experience) 6. HAISA 2023 (17th International Symposium on Human Aspects of Information Security & Assurance) 7. CSCML 2023 (7th International Symposium on Cyber Security Cryptology and Machine Learning) 8. EICC 2023 (4th European Interdisciplinary Cybersecurity Conference) 9. IC²S² 2023 (9th International Conference on Computational Social Science) 10. DSBFI 2023 (2nd ISSAT International Conference on Data Science in Business, Finance and Industry) 11. MetaCom 2023 (1st IEEE International Conference on Metaverse Computing, Networking and Applications) 12. CUING 2023 (7th International Workshop on Criminal Use of Information Hiding) @ ARES 2023 13. WTMC 2023 (8th International Workshop on Traffic Measurements for Cybersecurity) @ Euro S&P 2023 14. WEB3-TRUST 2023 (Workshop on beyond the promises of WEB3.0: foundations and challenges of TRUST decentralization) @ BLOCKCHAIN 2023

15. **ESORICS 2022** (27th European Symposium on Research in Computer Security)
16. **EMNLP 2022** (27th Conference on Empirical Methods in Natural Language Processing)
17. **ARES 2022** (17th International Conference on Availability, Reliability and Security)
18. **ACISP 2022** (27th Australasian Conference on Information Security and Privacy)
19. **HAISA 2022** (16th International Symposium on Human Aspects of Information Security & Assurance)
20. **ISPEC 2022** (17th International Conference on Information Security Practice and Experience)
21. **ICISSP 2022** (8th International Conference on Information Systems Security and Privacy)
22. **EICC 2022** (3rd European Interdisciplinary Cybersecurity Conference)
23. **IEEE CSR 2022** (2nd IEEE International Conference on Cyber Security and Resilience)
24. **IFIP CD-MAKE 2022** (6th IFIP International Cross Domain Conference for Machine Learning & Knowledge Extraction)
25. **STAST 2022** (12th International Workshop on Socio-Technical Aspects in Security and Trust) @ **ESORICS 2022**
26. **CUING 2022** (6th International Workshop on Criminal Use of Information Hiding) @ **ARES 2022**
27. **ESORICS 2021** (26th European Symposium on Research in Computer Security)
28. **ICICS 2021** (23rd International Conference on Information and Communications Security)
29. **ARES 2021** (16th International Conference on Availability, Reliability and Security)
30. **HAISA 2021** (15th International Symposium on Human Aspects of Information Security & Assurance)
31. **ISPEC 2021** (16th International Conference on Information Security Practice and Experience)
32. **ICISSP 2021** (7th International Conference on Information Systems Security and Privacy)
33. **EICC 2021** (2nd European Interdisciplinary Cybersecurity Conference)
34. **IEEE CSR 2021** (1st IEEE International Conference on Cyber Security and Resilience)
35. **IFIP CD-MAKE 2021** (5th IFIP International Cross Domain Conference for Machine Learning & Knowledge Extraction)
36. **STAST 2021** (11th International Workshop on Socio-Technical Aspects in Security and Trust) @ **ESORICS 2021**
37. **CUING 2021** (5th International Workshop on Criminal Use of Information Hiding) @ **ARES 2021**
38. **ESORICS 2020** (25th European Symposium on Research in Computer Security)
39. **ARES 2020** (15th International Conference on Availability, Reliability and Security)
40. **ICICS 2020** (22nd International Conference on Information and Communications Security)
41. **Inscrypt 2020** (16th International Conference on Information and Communications Security)
42. **IFIPTM 2020** (14th IFIP WG 11.11 International Conference on Trust Management)
43. **ISPEC 2020** (16th International Conference on Information Security Practice and Experience) (postponed to 2021 due to COVID-19)
44. **HAISA 2020** (14th International Symposium on Human Aspects of Information Security & Assurance)
45. **DSC 2020** (IEEE Conference on Dependable and Secure Computing)
46. **FCS 2020** (3rd International Conference on Frontiers in Cyber Security)
47. **ICS-CSR 2020** (7th International Symposium for ICS & SCADA Cyber Security) (postponed to 2021 due to COVID-19)
48. **ICISSP 2020** (6th International Conference on Information Systems Security and Privacy)
49. **EICC 2020** (1st European Interdisciplinary Cybersecurity Conference)
50. **SPNCE 2020** (3rd EAI International Conference on Security and Privacy in New Computing Environments)
51. **ICCAIS 2020** (3rd International Conference on Computer Applications & Information Security)
52. **STAST 2020** (10th International Workshop on Socio-Technical Aspects in Security and Trust) @ **ESORICS 2020**
53. **DETIPS 2020** (Interdisciplinary Workshop on Trust, Identity, Privacy, and Security in the Digital Economy) @ **ESORICS 2020**
54. **CUING 2020** (4th International Workshop on Criminal Use of Information Hiding) @ **ARES 2020**
55. **ICC 2020** (45th IEEE International Conference on Communications)
56. **ICASSP 2020** (45th IEEE International Conference on Acoustic, Speech, and Signal Processing)
57. **ISCC 2020** (25th IEEE Symposium on Computers and Communications)
58. **CCGrid 2020** (20th IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing)
59. **ITNG 2020** (17th International Conference on Information Technology: New Generations): **11th International Symposium on Cybersecurity** as a special track
60. **AICCSA 2020** (17th ACS/IEEE International Conference on Computer Systems and Applications): Track 3 Security, Privacy and Trust
61. **PASS4IoT 2020** (5th International Workshop on Privacy, data Assurance, Security Solutions for Internet of Things) @ **TrustCom 2020**
62. **IFIP CD-MAKE 2020** (4th IFIP International Cross Domain Conference for Machine Learning & Knowledge Extraction)
63. **ICNC-FSKD 2020** (16th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery)
64. **CHI 2019** (ACM CHI Conference on Human Factors in Computing Systems): Workshop PC

65. **ARES 2019** (14th International Conference on Availability, Reliability and Security)
66. **ACNS 2019** (17th International Conference on Applied Cryptography and Network Security)
67. **ICICS 2019** (21st International Conference on Information and Communications Security)
68. **ISPEC 2019** (15th International Conference on Information Security Practice and Experience)
69. **IFIPTM 2019** (13th IFIP WG 11.11 International Conference on Trust Management)
70. **HAISA 2019** (13th International Symposium on Human Aspects of Information Security & Assurance)
71. **FCS 2019** (2nd International Conference on Frontiers in Cyber Security)
72. **ICISSP 2019** (5th International Conference on Information Systems Security and Privacy)
73. **ICS-CSR 2019** (6th International Symposium for ICS & SCADA Cyber Security)
74. **CECC 2019** (3rd Central European Cybersecurity Conference)
75. **CUING 2019** (3rd International Workshop on Criminal Use of Information Hiding) @ **ARES 2019**
76. **STAST 2019** (9th International Workshop on Socio-Technical Aspects in Security and Trust) @ **ESORICS 2019**
77. **SECSOC 2019** (3rd International Workshop on Secure Smart Society in Next Generation Networking Paradigm) @ **TrustCom 2019**
78. **ICASSP 2019** (44th IEEE International Conference on Acoustic, Speech, and Signal Processing)
79. **ICC 2019** (44th IEEE International Conference on Communications)
80. **ICME 2019** (20th IEEE International Conference on Multimedia & Expo)
81. **DependSys 2019** (5th International Conference on Dependability in Sensor, Cloud, and Big Data Systems and Applications)
82. **IFIP CD-MAKE 2019** (3rd IFIP International Cross Domain Conference for Machine Learning & Knowledge Extraction)
83. **ITNG 2019** (16th International Conference on Information Technology: New Generations): **10th International Symposium on Cybersecurity** as a special track
84. **IOV 2019** (6th International Conference on Internet of Vehicles)
85. **iCAST 2019** (10th International Conference on Awareness Science and Technology)
86. **MPS 2018** (2nd International Workshop on Multimedia Privacy and Security) @ **ACM CCS 2018**
87. **STAST 2018** (8th International Workshop on Socio-Technical Aspects in Security and Trust) @ **ACSAC 2018** (34th Annual Computer Security Applications Conference)
88. **ARES 2018** (13th International Conference on Availability, Reliability and Security)
89. **CUING 2018** (2nd International Workshop on Criminal Use of Information Hiding) @ **ARES 2018**
90. **ISC 2018** (21st Information Security Conference)
91. **ICICS 2018** (20th International Conference on Information and Communications Security)
92. **ISPEC 2018** (14th International Conference on Information Security Practice and Experience)
93. **HAISA 2018** (12th International Symposium on Human Aspects of Information Security & Assurance)
94. **FCS 2018** (1st International Conference on Frontiers in Cyber Security)
95. **AISB18-CyberSecurity** (Symposium on Digital Behaviour Intervention for Cyber Security) @ AISB (Society for the Study of Artificial Intelligence and Simulation for Behaviour) Convention 2018
96. **ITNG 2018** (15th International Conference on Information Technology: New Generations): **9th International Symposium on Cybersecurity** as a special track
97. **ICISSP 2018** (4th International Conference on Information Systems Security and Privacy)
98. **ICC 2018** (43rd IEEE International Conference on Communications)
99. **GLOBECOM 2018** (61st IEEE Global Communications Conference, Exhibition and Industry Forum)
100. **ICASSP 2018** (43rd IEEE International Conference on Acoustic, Speech, and Signal Processing)
101. **ICIP 2018** (25th IEEE International Conference on Image Processing)
102. **ICME 2018** (19th IEEE International Conference on Multimedia & Expo)
103. **ICCCN 2018** (27th International Conference on Computer Communications and Networks)
104. **MLSP 2018** (28th IEEE International Workshop on Machine Learning for Signal Processing)
105. **ISCC 2018** (23rd IEEE Symposium on Computers and Communications)
106. **IOV 2018** (5th International Conference on Internet of Vehicles)
107. **ACISP 2017** (22nd Australasian Conference on Information Security and Privacy)
108. **ARES 2017** (12th International Conference on Availability, Reliability and Security)
109. **HAISA 2017** (11th International Symposium on Human Aspects of Information Security & Assurance)
110. **ITNG 2017** (14th International Conference on Information Technology: New Generations): **8th International Symposium on Cybersecurity** as a special track
111. **CUING 2017** (1st International Workshop on Criminal Use of Information Hiding) @ **ARES 2017**
112. **CCSTIM 2017** (International Workshop on Cloud Computing Security: Threats, Intelligence, and Mitigation) @ **UCC 2017** (10th IEEE/ACM International Conference on Utility and Cloud Computing)
113. **ICC 2017** (42nd IEEE International Conference on Communications)
114. **GLOBECOM 2017** (60th IEEE Global Communications Conference, Exhibition and Industry Forum)
115. **ICISSP 2017** (3rd International Conference on Information Systems Security and Privacy)
116. **ICIP 2017** (24th IEEE International Conference on Image Processing)
117. **ICME 2017** (18th IEEE International Conference on Multimedia & Expo)
118. **SMC 2017** (IEEE International Conference on Systems, Man, and Cybernetics)

119. **DSP 2017** (22nd International Conference on Digital Signal Processing)
120. **EuCNC 2017** (26th European Conference on Networks and Communications)
121. **ISCC 2017** (22nd IEEE Symposium on Computers and Communications)
122. **MF 2017** (Workshop on Applications of Computer Vision and Pattern Recognition to Media Forensics) @ **CVPR 2017** (30th IEEE Conference on Computer Vision and Pattern Recognition)
123. **ARES 2016** (11th International Conference on Availability, Reliability and Security)
124. **AuthTech 2016** (1st International Workshop on Authentication Techniques) @ **ASIACCS 2016** (11th ACM Symposium on Information, Computer and Communications Security)
125. **ICC 2016** (41st IEEE International Conference on Communications)
126. **GLOBECOM 2016** (59th IEEE Global Communications Conference, Exhibition and Industry Forum)
127. **ICIP 2016** (23rd IEEE International Conference on Image Processing)
128. **ICME 2016** (17th IEEE International Conference on Multimedia & Expo)
129. **ICASSP 2016** (41st IEEE International Conference on Acoustics, Speech and Signal Processing)
130. **EuCNC 2016** (25th European Conference on Networks and Communications)
131. **ISC2 2016** (2nd IEEE International Smart Cities Conference)
132. **IOV 2016** (3rd International Conference on Internet of Vehicles)
133. **WISARC 2016** (2nd International Workshop on Information Security, Assurance and Reliability in the Cloud) @ **UCC 2016** (9th IEEE/ACM International Conference on Utility and Cloud Computing)
134. **CCSNA 2016** (5th Workshop on Cloud Computing Systems, Networks, and Applications) @ **ICC 2016** (41st IEEE International Conference on Communications)
135. **IOV 2015** (2nd International Conference on Internet of Vehicles)
136. **GlobalSIP 2015** (3rd IEEE Global Conference on Signal and Information Processing)
137. **GLOBECOM 2015** (58th IEEE Global Communications Conference, Exhibition and Industry Forum)
138. **MMSP 2015** (17th IEEE International Workshop on Multimedia Signal Processing)
139. **ICIP 2015** (22nd IEEE International Conference on Image Processing)
140. **DASIP 2015** (9th Conference on Design and Architectures for Signal and Image Processing)
141. **BiFor 2015** (International Workshop on Recent Advances in Digital Security: Biometrics and Forensics) @ **ICIAP 2015** (18th International Conference on Image Analysis and Processing)
142. **ARES 2015** (10th International Conference on Availability, Reliability and Security)
143. **ICNC/FSKD 2015** (11th International Conference on Natural Computation / 12th International Conference on Fuzzy Systems and Knowledge Discovery)
144. **ICME 2015** (16th IEEE International Conference on Multimedia & Expo)
145. **EuCNC 2015** (24th European Conference on Networks and Communications)
146. **ICC 2015** (40th IEEE International Conference on Communications)
147. **INTRUST 2014** (6th International Conference on Trustworthy Systems)
148. **GLOBECOM 2014** (57th IEEE Global Communications Conference, Exhibition and Industry Forum)
149. **ICCVE 2014** (3rd International Conference on Connected Vehicles & Expo)
150. **ICIP 2014** (21st IEEE International Conference on Image Processing)
151. **DASIP 2014** (8th Conference on Design and Architectures for Signal and Image Processing)
152. **ARES 2014** (9th International Conference on Availability, Reliability and Security)
153. **IOV 2014** (1st International Conference on Internet of Vehicles)
154. **ICME 2014** (15th IEEE International Conference on Multimedia & Expo)
155. **ISCAS 2014** (47th IEEE International Symposium on Circuits and Systems)
156. **GLOBECOM 2013** (56th IEEE Global Communications Conference, Exhibition and Industry Forum)
157. **ICCVE 2013** (2nd International Conference on Connected Vehicles & Expo)
158. **DASIP 2013** (7th Conference on Design and Architectures for Signal and Image Processing)
159. **ARES 2013** (8th International Conference on Availability, Reliability and Security)
160. **ICME 2013** (14th IEEE International Conference on Multimedia & Expo)
161. **ICC 2013** (38th IEEE International Conference on Communications)
162. **IWCC 2013** (2nd International Workshop on Cyber Crime) @ **IEEE S&P 2013** (34th IEEE Symposium on Security and Privacy)
163. **INTRUST 2012** (4th International Conference on Trusted Systems)
164. **GLOBECOM 2012** (55th IEEE Global Communications Conference, Exhibition and Industry Forum)
165. **DASIP 2012** (6th Conference on Design and Architectures for Signal and Image Processing)
166. **ARES 2012** (7th International Conference on Availability, Reliability and Security)
167. **ICME 2012** (13th IEEE International Conference on Multimedia & Expo)
168. **ICC 2012** (37th IEEE International Conference on Communications)
169. **ISCAS 2012** (45th IEEE International Symposium on Circuits and Systems)
170. **ICNC 2012** (2012 International Conference on Computing, Networking and Communications)
171. **GLOBECOM 2011** (54th IEEE Global Communications Conference, Exhibition and Industry Forum)
172. **INTRUST 2011** (3rd International Conference on Trusted Systems)
173. **DASIP 2011** (5th Conference on Design and Architectures for Signal and Image Processing)
174. **SafeConfig 2011** (4th Symposium on Configuration Analytics and Automation)

	<p>175. ICME 2011 (12th IEEE International Conference on Multimedia & Expo)</p> <p>176. ICC 2011 (36th IEEE International Conference on Communications)</p> <p>177. GLOBECOM 2010 (53rd IEEE Global Communications Conference, Exhibition and Industry Forum)</p> <p>178. APWCCS 2010 (5th Asia-Pacific Workshop on Chaos Control and Synchronization): International Program Committee (IPC) Member</p> <p>179. ICME 2010 (17th IEEE International Conference on Multimedia & Expo)</p> <p>180. ICCCAS 2009 (7th International Conference on Communication, Circuits and Systems)</p> <p>181. ICCCAS 2006 (4th International Conference on Communications, Circuits and Systems)</p>
As invited speaker, panelist and interviewee	<p>More recent talks and relevant links can be found at http://www.hooklee.com/talks.asp.</p> <ol style="list-style-type: none"> 1. 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 2. 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 3. 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 4. 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 5. 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 6. Tackling Human Error, panelist of a panel discussion, Public Sector Cyber Security 2022, organized by the PSE (Public Sector Executive), virtual, 14 July 2022 7. 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 8. Invited talk for introducing the Institute of Cyber Security for Society (iCSS), organized by Canterbury Christ Church University, UK, held virtually, 19 May 2022 9. Invited talk for introducing the Institute of Cyber Security for Society (iCSS), organized by Honda Research Institute Europe, Germany, virtually, 20 April 2022 10. 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 11. 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 12. 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 13. 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 14. 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 15. 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 16. Privacy through the Lens of Data Flows, invited talk, Webinaire Cybersécurité et véhicules connectés, organized by GIS CybCOM, virtual, 29 September 2021 17. From AI for Security to Secure, Privacy-Friendly And "Good" AI, invited talk at the AI Summit London 2021, London, UK, 23 September 2021 18. 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

19. **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
20. **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
21. **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
22. **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
23. **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
24. **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
25. **Relationships between, AI, humans and cyber security**, invited panel discussion, FIC (International Cybersecurity Forum) 2020 in Lille, France, 29 January, 2020
26. **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
27. **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
28. **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
29. **Interview on human factors in cyber security**, interviewed by Oz Alashe of CybSafe, part of PeepSec 2019, London, UK, 29 May 2019
30. **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
31. **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
32. **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
33. **Socio-technical Aspects of Privacy Protection**, keynote speech at PriCom 2018 (4th International Symposium on Privacy Computing), Boppard, Germany, 6-8 August 2018
34. **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
35. **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
36. **Hybrid Human-Machine Computing: a new paradigm of computing?** invited OpenTech talk at Clearswift Ltd, UK, 23 January 2018
37. **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
38. **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
39. **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
40. **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
41. **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

	<p>42. Pass[∞] (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</p> <p>43. 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</p> <p>44. Observer-Resistant Password Systems: How hard to make them both usable and secure?, invited talk at the Institute for Infocomm Research (I²R), Agency for Science, Technology and Research (A*STAR), Singapore, 28 April 2017</p> <p>45. Observer-Resistant Password Systems: How hard to make them both usable and secure?, invited talk at the School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore, 27 April 2017</p> <p>46. Observer-Resistant Password Systems: How hard to make them both usable and secure?, invited talk at the School of Computing, National University of Singapore, 25 April 2017</p> <p>47. Human/User-Centric Security, 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>48. When Discrete Optimization Meets Multimedia Security, invited talk at the FoT-RSS: Faculty of Technology Research Seminar Series / IEEE UK & Ireland Section Signal Processing Chapter Lecture, De Montfort University, UK, 25 May 2016</p> <p>49. Panel discussion on “Tools and methodologies for high quality software”, 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>50. Observer-Resistant Password Systems (ORPSs): Usability vs. Security, invited talk at the Interaction Design Centre (IDC) Seminar Series, Middlesex University, UK, 4 August 2015</p> <p>51. Digital and Multimedia Forensics, invited talk at the Wellcome Forensic Evening, Wellcome Collection, 183 Euston Road, London NW1 2BE, UK, 10 June 2015</p> <p>52. Observer-Resistant Password Systems (ORPSs): Security vs. Usability, invited talk at the Information Security Group (ISG) weekly seminar series, Royal Holloway, University of London (RHUL), UK, 27 March 2015</p> <p>53. When Security Meets Usability: e-Banking as an Example, invited talk at the Escuela Politécnica Superior, Universidad Autónoma de Madrid (UAM, Autonomous University of Madrid), Spain, 7 April 2014</p> <p>54. From Digital Watermarking to Multimedia Forensics: How can they help to detect lost identities in multimedia work? 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>55. Usable Security: When Security Meets Usability, invited talk at College of Information Engineering, Xiangtan University, China, 5 September 2013</p> <p>56. From Captchas to Captchæckers: Can we automate usability and security evaluation of CAPTCHAs? invited talk at the School of Computer Science, University of Glasgow, UK, 5 October 2012</p> <p>57. How to Break Financial CAPTCHAs in China and Elsewhere, invited talk at the Asian Lounge on Trust, Security and Privacy Workshop, part of INTRUST 2010 (2nd International Conference on Trusted Systems), Beijing, China, 15 December 2010</p> <p>58. New Directions in Multimedia Encryption, invited talk at the ESAT-COSIC, KU Leuven, Belgium, 12 May 2010</p> <p>59. Usable Security: Making Passwords Usable, invited talk at the Security Day of the Stuttgart Media University, Germany, 10 June 2009</p> <p>60. Analog Chaos-Based Secure Communications: A Cryptanalyst's Survey, 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>61. Analog Chaos-Based Secure Communications, invited talk at the College of Information Technology, Shenzhen University, Shenzhen, China, 11 November 2005</p> <p>62. Chaotic Cryptography, 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"> Member, Digital Investigation and Intelligence Oversight Board – Futures Group, Surrey & Sussex Police, UK, February – October 2017 Expert reviewer, Data Encryption, Research Briefing POST-PB-0019, Parliamentary Office of Science and Technology (POST), UK, 15 March 2016 Expert reviewer, Digital Forensics and Crime, Research Briefing POST-PN-0520, Parliamentary Office of Science and Technology (POST), UK, 9 March 2016
As reviewer: IEEE and ACM journals	<ul style="list-style-type: none"> <i>IEEE Transactions on Audio, Speech and Language Processing</i> <i>IEEE Transactions on Biomedical Circuits and Systems</i> <i>IEEE Transactions on Circuits and Systems-I: Regular Papers</i>

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

	<ul style="list-style-type: none"> • <i>EURASIP Journal on Advances in Signal Processing</i> (<i>EURASIP Journal on Applied Signal Processing</i> before 2008) • <i>EURASIP Journal of Image and Video Processing</i> • <i>Journal of Imaging Science & Technology</i> • <i>International Journal of Imaging Systems and Technology</i> • <i>Journal of Mathematical Imaging and Vision</i> • <i>Circuits, Systems & Signal Processing</i> • <i>International Journal of Image and Video Processing</i> • <i>International Journal of Image and Graphics</i> • <i>Journal of Multimedia</i> • <i>Inverse Problems and Imaging</i> • <i>Neural Computing and Applications</i> • <i>Neurocomputing</i> • <i>Universal Access in the Information Society</i> • <i>Mobile Information Systems</i>
As reviewer: Chaos/Physics-related journals	<ul style="list-style-type: none"> • <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i> • <i>International Journal of Bifurcation and Chaos</i> • <i>Physics Letters A</i> • <i>Physica A</i> • <i>Complexity</i> • <i>International Journal of Modern Physics C</i> • <i>Modern Physics Letters B</i> • <i>Nonlinear Dynamics</i> • <i>Physica Scripta</i> • <i>Communications in Nonlinear Science and Numerical Simulation</i> • <i>Dynamics of Continuous, Discrete & Impulsive Systems Series B: Applications & Algorithms</i> • <i>Chinese Physics B</i>
As reviewer: Other international journals	<ul style="list-style-type: none"> • <i>Nature Magazine</i> • <i>SpringerPlus</i> • <i>The Computer Journal</i> • <i>Information Science</i> • <i>Journal of Software and Systems</i> • <i>Information Fusion</i> • <i>Theoretical Computer Science</i> • <i>Knowledge and Information Systems</i> • <i>Computer Communications</i> • <i>Computers and Mathematics with Applications</i> • <i>Wireless Networks</i> • <i>Journal of Parallel and Distributed Computing</i> • <i>Optical Engineering</i> • <i>Optical Communications</i> • <i>Speech Communications</i> • <i>Telecommunication Systems: Modelling, Analysis, Design and Management</i> • <i>Journal of Ambient Intelligence and Humanized Computing</i> • <i>Journal of Optics</i> • <i>Optica Applicata</i> • <i>Journal of Biomedical Informatics</i> • <i>International Journal of Computational Intelligence Research</i> • <i>International Journal of Computational Intelligence Systems</i> • <i>Mathematical Problems in Engineering</i>
As reviewer: National journals (published in English)	<ul style="list-style-type: none"> • <i>Chinese Science Bulletin</i> • <i>ETRI Journal</i> (South Korea) • <i>IEEEJ Transactions on Electrical and Electronic Engineering</i> (Japan) • <i>Journal of Electronics</i> (China) • <i>Journal of Computer Science and Technology</i> (China) • <i>Tsinghua Science and Technology</i> (China) • <i>Journal of Zhejiang University SCIENCE A</i> (China) • <i>Annals of the Brazilian Academy of Sciences</i> • <i>Journal of the Brazilian Computer Society</i> (Brazil)

	<ul style="list-style-type: none"> • <i>Iranian Journal of Electrical and Computer Engineering</i> (Iran)
As reviewer: Chinese journals	<ul style="list-style-type: none"> • 《电子学报》 (<i>Acta Electronica Sinica</i>) • 《电子与信息学报》 (<i>Journal of Electronics and Information Technology</i>)
As reviewer: International conferences and workshops	<ul style="list-style-type: none"> • HICSS 2023 (56th Hawai'i International Conference on System Sciences) • HICSS 2022 (55th Hawai'i International Conference on System Sciences) • Onward! 2020 @ SPLASH 2020 (ACM SIGPLAN conference on Systems, Programming, Languages, and Applications: Software for Humanity) • ESORICS 2019 (24th European Symposium on Research in Computer Security) • VOTING 2019 (4th Workshop on Advances in Secure Electronic Voting) @ FC 2019 • ESORICS 2018 (23rd European Symposium on Research in Computer Security) • SMC 2018 (2018 IEEE International Conference on Systems, Man, and Cybernetics) • ICII 2018 (1st IEEE International Conference on Industrial Internet) • CHI 2017 (35th Annual ACM CHI Conference on Human Factors in Computing Systems) • WIFS 2015 (7th IEEE International Workshop on Information Forensics and Security) • CCS 2015 (22nd ACM Conference on Computer and Communications Security) • FC 2015 (19th International Conference on Financial Cryptography and Data Security) • GlobalSIP 2014 (2nd IEEE Global Conference on Signal and Information Processing) • NSS 2014 (8th International Conference on Network and System Security) • MMSP 2014 (16th International Workshop on Multimedia Signal Processing) • ISPEC 2014 (10th International Conference on Information Security Practice and Experience) • WIFS 2013 (5th IEEE International Workshop on Information Forensics and Security) • MMSP 2013 (15th International Workshop on Multimedia Signal Processing) • ICIP 2013 (20th IEEE International Conference on Image Processing) • IWDW 2012 (11th International Workshop on Digital-forensics and Watermarking) • WIFS 2012 (4th IEEE International Workshop on Information Forensics and Security) • IH 2012 (14th Information Hiding Conference) • IEEE S&P 2012 (33rd IEEE Symposium on Security and Privacy) • ICISC 2011 (14th Annual International Conference on Information Security and Cryptology) • INDS 2011 (3rd International Workshop on Nonlinear Dynamics and Synchronization) + ISTET 2011 (16th International Symposium on Theoretical Electrical Engineering) • MQoE 2011 (IEEE Workshop on Multimedia Quality of Experience) @ ISM 2011 (IEEE International Symposium on Multimedia) • CCS 2011 (18th ACM Conference on Computer and Communications Security) • CHI 2011 (29th ACM CHI Conference on Human Factors in Computing Systems) • ICME 2011 (18th IEEE International Conference on Multimedia & Expo) • WIFS 2011 (3rd IEEE Workshop on Information Forensics and Security) • ICC 2011 (36th IEEE International Conference on Communications) • GLOBECOM 2010 (53rd IEEE Global Communications Conference, Exhibition and Industry Forum) • ICME 2010 (17th IEEE International Conference on Multimedia & Expo) • ISCAS 2010 (43rd IEEE International Symposium on Circuits and Systems) • NOLTA 2010 (20th International Symposium on Nonlinear Theory and its Applications) • ICCAS 2010 (8th International Conference on Communications, Circuits and Systems) • ISCAS 2009 (42nd IEEE International Symposium on Circuits and Systems) • EUSIPCO 2009 (17th European Signal Processing Conference) • ACIVS 2009 (11th Conference on Advanced Concepts for Intelligent Vision Systems) • ICCAS 2009 (7th International Conference on Communications, Circuits and Systems) • SSD 2009 (6th International Multi-Conference on Systems, Signals and Devices) • IWDW 2008 (7th International Workshop on Digital Watermarking) • ICC 2008 (33rd International Conference on Communications) • ISCAS 2008 (41st IEEE International Symposium on Circuits and Systems) • ISCAS 2007 (40th IEEE International Symposium on Circuits and Systems) • EUSIPCO 2007 (15th European Signal Processing Conference) • Sarnoff 2007 (30th IEEE Sarnoff Symposium) • ECCTD 2007 (18th European Conference on Circuit Theory and Design) • NTMS 2007 (1st International Conference on New Technologies, Mobility and Security) • ICIAS 2007 (International Conference on Intelligent & Advanced Systems) • ISCAS 2006 (39th IEEE International Symposium on Circuits and Systems) • ICCAS 2006 (4th International Conference on Communications, Circuits and Systems)

	<ul style="list-style-type: none"> • CNCC 2003 (1st China National Computer Conference, 第一届中国计算机大会)
Professional Memberships	
Dates	2023 – present
Title of membership	Member
Name of organization	Offensive Cyber Working Group (OCWG) College of Experts
Dates	2022 – present
Title of membership	Member
Name of organization	W3C Data Privacy Vocabularies and Controls (DVC) Community Group
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	2017 – present
Title of membership	Member
Name of organization	CHPC (Council of Professors and Heads of Computing), UK
Dates	2017 – present
Title of membership	Member
Name of organization	EPC (Engineering Professors' Council), UK
Dates	2022 – present
Title of membership	Member
Name of organization	W3C Data Privacy Vocabularies and Controls (DVC) Community Group
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	IEEE Systems, Man and Cybernetics Society: Technical Committee on Cybernetics for Cyber-Physical Systems, Technical Committee on Cybermatics
Dates	2016 – present
Title of membership	Member
Name of organization	Criminal Use of Information Hiding (CUIng) Initiative , Europol's European Cybercrime Centre (EC3)
Dates	2016 – present
Title of membership	Member
Name of organization	IEEE Systems, Man and Cybernetics Society: Technical Committee on Information Assurance & Intelligent Multimedia-Mobile Communications, Technical Committee on Cognitive Computing, Technical Committee on Awareness Computing, Technical Committee on Human Perception in Multimedia Computing, Technical Committee on Visual Analytics and Communication IEEE Computer Society: Special Technical Community on Human Computation
Dates	2010 – present
Title of membership	Member
Name of organization	IEEE Circuits and Systems Society: Nonlinear Circuits and Systems Technical Committee

Dates	2009 – present
Title of membership	Professional Member
Name of organization	ACM
Dates	2008 – present
Title of membership	Member (2008-2012), Senior Member (2012-present)
Name of organization	IEEE
Dates	2009 – 2011
Title of membership	Editor / Contributor / Delegate to MPEG Meetings
Name of organization	ISO/IEC JCT1/SG29/WG11 (MPEG)
Annexes	<p>Selected Publications</p> <p>All Publications</p> <p>Scientific Software</p>

Annexes (2 August, 2023)

Selected Publications

1. 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," accepted to [Digital Threats: Research and Practice](#) in June 2023, in press with [ACM](#)
2. 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, 2023, ACM
3. 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
4. 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
5. 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
6. 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
7. 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
8. 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)
9. 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 \(25th ACM Conference on Computer-Supported Cooperative Work and Social Computing\)](#)
10. Krysia Emily Waldock*, Shujun Li* and Virginia N.L. Franqueira (survey co-designers and co-analysts), "Cyber Security in UK Schools Report 2022: How well protected are schools and colleges in England and Wales?" technical report, 21 pages, SWGfL, June 2022, sponsored by Bitdefender
11. Krysia 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
12. 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
13. 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
14. 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

15. 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
16. 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
17. Sharifah Roziah Binti Mohd Kassim*, Shujun Li and Budi Arief, "How National CSIRTs Leverage Public Data, OSINT and Free Tools in Operational Practices: An Empirical Study," [*Cyber Security: A Peer-Reviewed Journal*](#), Volume 5, Issue 2, pp., 251-276, Henry Stewart Publications LLP, 2022
18. 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
19. 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
20. Ingolf Becker*, Rebecca Posner*, Tasmina Islam, Paul John Eklblom, Hervé Borron, 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**)
21. 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
22. 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
23. 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%**)
24. 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
25. Rahime Belen Sağlam*, Çağrı B. Aslan, Shujun Li*, Lisa Dickson and Ganna Pogrebna, "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
26. 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
27. 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 Guillemin-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**)
28. 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
29. 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
30. 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
31. 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
 32. 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
 33. 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%**)
 34. Nouf Aljaffan*, Shujun Li* and Haiyue Yuan, **"PSV (Password Security Visualizer): From Password Checking to User Education,"** 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. 191-211, Springer, 2017
 35. 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
 36. 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
 37. Mario Čagalja*, Toni Perković*, Marin Bugarić and Shujun Li, **"Fortune cookies and smartphones: Weakly unrelayed channels to counter relay attacks,"** *Pervasive and Mobile Computing*, Volume 20, pp. 64-81, Elsevier, 2015
 38. 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%**)
 39. Hassan Jammel Asghar*, Shujun Li*, Josef Pieprzyk and Huaxiong Wang, **"Cryptanalysis of the Convex Hull Click Human Identification Protocol,"** *International Journal of Information Security*, Volume 12, Issue 2, pp. 83-96, Springer, 2013
 40. 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%)
 41. 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%**)
 42. 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
 43. 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%**)
 44. 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%**)

	<ol style="list-style-type: none"> 45. Chengqing Li*, Shujun Li*, Muhammad Asim, Juana Nunez, Gonzalo Alvarez and Guanrong Chen, "On the security defects of an image encryption scheme," <i>Image and Vision Computing</i>, Volume 27, Issue 9, pp. 1371-1381, Elsevier, 2009 46. Shujun Li* and Roland Schmitz, "A Novel Anti-Phishing Framework Based on Honeypots," in <i>Proceedings of the 4th Annual APWG eCrime Researchers Summit (eCRS 2009)</i>, Tacoma, WA, USA, 20 & 21 October 2009, 13 pages, IEEE, 2009 (Acceptance rate: 35%) 47. Shujun Li*, Chengqing Li, Kwok-Tung Lo and Guanrong Chen, "Cryptanalyzing an Encryption Scheme Based on Blind Source Separation," <i>IEEE Transactions on Circuits and Systems—II: Regular Papers</i>, Volume 55, Issue 4, pp. 1055-1063, IEEE, 2008 48. Shujun Li*, Chengqing Li, Kwok-Tung Lo and Guanrong Chen, "Cryptanalysis of an Image Scrambling Scheme without Bandwidth Expansion," <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, Volume 18, Issue 3, pp. 338-349, IEEE, 2008 49. Shujun Li*, Chengqing Li, Guanrong Chen, Nikolaos G. Bourbakis and Kwok-Tung Lo, "A general quantitative cryptanalysis of permutation-only multimedia ciphers against plaintext attacks," <i>Signal Processing: Image Communication</i>, Volume 23, Issue 3, pp. 212-223, Elsevier, 2008 50. Shujun Li*, Guanrong Chen, Albert Cheung, Bharat Bhargava and Kwok-Tung Lo, "On the Design of Perceptual MPEG-Video Encryption Algorithms," <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, Volume 17, Issue 2, pp. 214-223, IEEE, 2007 51. Gonzalo Álvarez* and Shujun Li*, "Some Basic Cryptographic Requirements for Chaos-Based Cryptosystems," <i>International Journal of Bifurcation and Chaos</i>, Volume 16, Issue 8, pp. 2129-2151, World Scientific, 2006 52. Shujun Li*, Chengqing Li, Kwok-Tung Lo and Guanrong Chen, "Cryptanalysis of an Image Encryption Scheme," <i>Journal of Electronic Imaging</i>, Volume 15, Issue 4, article number 043012, SPIE / IS&T, 2006 53. Shujun Li*, Guanrong Chen and Xuanqin Mou, "On the Dynamical Degradation of Digital Piecewise Linear Chaotic Maps," <i>International Journal of Bifurcation and Chaos</i>, Volume 15, Issue 10, pp. 3119-3151, World Scientific, 2005 54. Shujun Li*, Guanrong Chen and Xuanqin Mou, "On the Security of the Yi-Tan-Siew Chaotic Cipher," <i>IEEE Transactions on Circuits and Systems—II: Express Briefs</i>, Volume 51, Issue 12, pp. 665-669, IEEE, 2004
All Publications: A Monograph	<ol style="list-style-type: none"> 1. Haiyue Yuan, Shujun Li and Patrice Rusconi, <i>Cognitive Modeling for Automated Human Performance Evaluation at Scale</i>, part of <i>Human-Computer Interaction Series</i> book series (HCIS) and of <i>SpringerBriefs in Human-Computer Interaction</i> book sub series (BRIEFSHUMAN), ISBN 978-3-030-45704-4, 2020
All Publications: Edited Books	<ol style="list-style-type: none"> 2. Cristina Alcaraz, Liqun Chen, Shujun Li and Pierangela Samarati (Editors), <i>Information and Communications Security: 24th International Conference, ICICS 2022, Canterbury, UK, September 5–8, 2022, Proceedings</i>, <i>Lecture Notes in Computer Science</i>, volume 13407, Springer, 2022 3. Joaquin Garcia-Alfaro, Shujun Li, Radha Poovendran, Hervé Debar and Moti Yung (Editors), <i>Security and Privacy in Communication Networks: 17th EAI International Conference, SecureComm 2021, Virtual Event, September 6–9, 2021, Proceedings, Part I</i>, <i>Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering</i>, volume 398, Springer, 2021 4. Joaquin Garcia-Alfaro, Shujun Li, Radha Poovendran, Hervé Debar and Moti Yung (Editors), <i>Security and Privacy in Communication Networks: 17th EAI International Conference, SecureComm 2021, Virtual Event, September 6–9, 2021, Proceedings, Part II</i>, <i>Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering</i>, volume 399, Springer, 2021 5. Ioana Boureanu, Constantin Cătălin Drăgan, Mark Manulis, Thanassis Giannetsos, Christoforos Dadoyan, Panagiotis Gouvas, Roger A. Hallman, Shujun Li, Victor Chang, Frank Pallas, Jörg Pohle and Angela Sasse (Editors), <i>Computer Security: ESORICS 2020 International Workshops, DETIPS, DeSECSys, MPS, and SPOSE, Guildford, UK, September 17–18, 2020, Revised Selected Papers</i> (joint proceedings of four workshops co-located with ESORICS 2020, including MPS 2020 for which Shujun Li was a Co-Chair), <i>Lecture Notes in Computer Science</i>, volume 12580, Springer, 2020 6. Roger A. Hallman, Shujun Li and Victor Chang (Editors), <i>Proceedings of the 2nd International Workshop on Multimedia Privacy and Security</i> (MPS 2018, co-located with ACM CCS 2018), ACM, 2018

	<p>7. Anthony T.S. Ho and Shujun Li (Editors), <i>Handbook of Digital Forensics of Multimedia Data and Devices</i>, 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</p> <p>8. Zhijie Chen, Shuqin Zhao, Shujun Li, Fuyong Wan (Editors), <i>L^ATeX: From a Starter to a Master</i> (<i>L^ATeX 入门与提高</i>), 2nd edition, Higher Education Press (高等教育出版社), Beijing, China, May 2006, ISBN10: 7040193795, with a ChinaTeX CD (built on 11th January 2006) (in Chinese)</p>
<p>All Publications: Peer-Reviewed Journal Papers</p> <p>In press</p>	<p>1. 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," accepted to <i>Digital Threats: Research and Practice</i> in June 2023, in press with ACM</p>
2023	<p>2. Nandita Pattnaik*, Shujun Li* and Jason R.C. Nurse, "A Survey of User Perspectives on Security and Privacy in a Home Networking Environment," <i>ACM Computing Surveys</i>, Volume 55, Number 9, Article Number 180, 38 pages, 2023, ACM</p> <p>3. 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," <i>Computers & Security</i>, Volume 125, Article Number 103008, 15 pages, Elsevier, 2023</p> <p>4. Rahime Belen Sağlam*, Enes Altuncu, Yang Lu and Shujun Li*, "A Systematic Literature Review of the Tension between the GDPR and Public Blockchain Systems," <i>Blockchain: Research and Applications</i>, Volume 4, Number 2, Article Number 100129, 23 pages, Elsevier Science B. V. on behalf of Zhejiang University Press</p> <p>5. 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," <i>Engineering Applications of Artificial Intelligence</i>, Volume 121, Article Number 106051, 16 pages, Elsevier, 2023</p>
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2021	<p>12. Haiyue Yuan*, Shujun Li* and Patrice Rusconi, "CogTool+: Modeling human performance at large scale," <i>ACM Transactions on Computer-Human Interaction</i>, Volume 28, Issue 2, Article Number 7, 38 pages, ACM, 2021</p> <p>13. 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," <i>PLoS ONE</i>, Volume 16, Issue 8, Article Number e0256822, 29 pages, PLoS, 2021</p>

2020	<p>14. 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 (12 pages), IEEE, 2020</p> <p>15. 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</p> <p>16. Saeed Alqahtani*, Shujun Li*, Haiyue Yuan and Patrice Rusconi, "Human-Generated and Machine-Generated Ratings of Password Strength: What Do Users Trust More?" EAI Endorsed Transactions on Security and Safety, Volume 18, Article Number e1, EAI, 2020</p>
2019	<p>17. 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)</p> <p>18. 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</p> <p>19. Zichi Wang*, Shujun Li and Xinpeng Zhang, "Towards Improved Steganalysis: When Cover Selection is Used in Steganography," IEEE Access, Volume 7, pp. 168914-168921, IEEE, 2019</p> <p>20. Yang Lu*, Athina Ioannou, Iis Tussyadiah and Shujun Li, "Segmenting travelers based on responses to nudging for information disclosure," e-Review of Tourism Research, Volume 17, Issue 3, pp. 394-406, 2019, part of research notes accepted to ENTER 2020 (27th IFITT International eTourism Conference)</p>
2017	<p>21. Simying Ong*, Shujun Li*, KokSheik Wong* and KuanYew Tan, "Fast Recovery of Unknown Coefficients in DCT-Transformed Images," Signal Processing: Image Communication, Volume 58, pp. 1-13, Elsevier, 2017</p>
2015	<p>22. 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</p> <p>23. Mario Čagalja*, Toni Perković, Marin Bugarić and Shujun Li, "Fortune cookies and smartphones: Weakly unrelayed channels to counter relay attacks," Pervasive and Mobile Computing, Volume 20, pp. 64-81, Elsevier, 2015</p>
2014	<p>24. Roland Schmitz*, Shujun Li, Christos Grecos and Xinpeng Zhang, "Towards Robust Invariant Commutative Watermarking-Encryption based on Image Histograms," International Journal of Multimedia Data Engineering and Management (IJMDEM), Volume 5, Issue 4, pp. 36-52, IGI Global, 2014</p> <p>25. Hui Wang, Anthony TS Ho* and Shujun Li*, "A Novel Image Restoration Scheme Based on Structured Side Information and Its Application to Image Watermarking," Signal Processing: Image Communication, Volume 29, Issue 7, pp. 773-787, Elsevier, 2014</p>
2013	<p>26. Junaid Jameel Ahmad*, Shujun Li*, Richard Thavot and Marco Mattavelli, "Secure Computing with the MPEG RVC Framework," Signal Processing: Image Communication, Volume 28, Issue 10 (special issue on Recent Advances on MPEG Codec Configuration Framework), pp. 1315-1334, Elsevier, 2013</p> <p>27. Hassan Jameel Asghar*, Shujun Li, Josef Pieprzyk and Huaxiong Wang, "Cryptanalysis of the Convex Hull Click Human Identification Protocol," International Journal of Information Security, Volume 12, Issue 2, pp. 83-96, Springer, 2013</p>
2011	<p>28. Roland Schmitz and Shujun Li, "Neue Entwicklungen in der e-Banking Security," ("Recent Developments in e-Banking Security,") PIK – Praxis der Informationsverarbeitung und Kommunikation, Volume 34, Issue 4, pp. 176-184, Walter de Gruyter GmbH & Co. KG, 2011 (in German)</p> <p>29. Chengqing Li*, Shujun Li* and Kwok-Tung Lo, "Breaking a modified substitution-diffusion image cipher based on chaotic standard and logistic maps," Communications in Nonlinear Science and Numerical Simulations, Volume 16, Issue 2, pp. 837-843, Elsevier, 2011</p> <p>30. David Arroyo* and Gonzalo Alvarez and José María Amigó and Shujun Li, "Cryptanalysis of a family of self-synchronizing chaotic stream ciphers," Communications in Nonlinear Science and Numerical Simulations, Volume 16, Issue 2, pp. 805-813, Elsevier, 2011</p>

2010	<p>31. Chengqing Li*, Shujun Li*, Kwok-Tung Lo and Kyandoghere Kyamakya, "A differential cryptanalysis of Yen-Chen-Wu multimedia cryptography system," <i>Journal of Systems and Software</i>, Volume 83, Issue 8, pp. 1443-1452, Elsevier, 2010</p> <p>32. A.B. Orue, G. Alvarez*, G. Pastor, M. Romera, F. Montoya and Shujun Li, "A new parameter determination method for some double-scroll chaotic systems and its applications to chaotic cryptanalysis," <i>Communications in Nonlinear Science and Numerical Simulations</i>, Volume 15, Issue 11, pp. 3471-3483, Elsevier, 2010</p> <p>33. David Arroyo*, Shujun Li, Gonzalo Alvarez, José María Amigó and Rhouma Rhouma, "Comments on 'Image encryption with chaotically coupled chaotic maps'," <i>Physica D</i>, Volume 239, Issue 12, pp. 1002-1006, Elsevier, 2010</p>
2009	<p>34. Rhouma Rhouma*, Ercan Solak, David Arroyo, Shujun Li, Gonzalo Alvarez and Safya Belghitha, "Comment on "Modified Baptista type chaotic cryptosystem via matrix secret key" [Phys. Lett. A 372 (2008) 5427]," <i>Physics Letters A</i>, Volume 373, Issue 37, pp. 3398-3400, Elsevier, 2009</p> <p>35. A.B. Orue, V. Fernandez, G. Alvarez, G. Pastor, M. Romera, F. Montoya*, C. Sanchez-Avila and Shujun Li, "Breaking a SC-CNN-based Chaotic Masking Secure Communication System," <i>International Journal of Bifurcation and Chaos</i>, Volume 19, Issue 4, pp. 1329-1338, World Scientific, 2009</p> <p>36. David Arroyo*, Gonzalo Alvarez, Shujun Li, Chengqing Li and Veronica Fernandez, "Cryptanalysis of a New Chaotic Cryptosystem Based on Ergodicity," <i>International Journal of Modern Physics B</i>, Volume 23, Issue 5, pp. 651-659, World Scientific, 2009</p> <p>37. David Arroyo*, Chengqing Li, Shujun Li, Gonzalo Alvarez and Wolfgang A. Halang, "Cryptanalysis of an image encryption scheme based on a new total shuffling algorithm," <i>Chaos, Solitons & Fractals</i>, Volume 14, Issue 11, pp. 2613-2616, Elsevier, 2009</p> <p>38. G. Alvarez* and Shujun Li, "Cryptanalyzing a nonlinear chaotic algorithm (NCA) for image encryption," <i>Communications in Nonlinear Science and Numerical Simulations</i>, Volume 14, Issue 11, pp. 3743-3749, Elsevier, 2009</p> <p>39. Chengqing Li*, Shujun Li*, Muhammad Asim, Juana Nunez, Gonzalo Alvarez and Guanrong Chen, "On the security defects of an image encryption scheme," <i>Image and Vision Computing</i>, Volume 27, Issue 9, pp. 1371-1381, Elsevier, 2009</p> <p>40. Chengqing Li*, Shujun Li*, Guanrong Chen and Wolfgang A. Halang, "Cryptanalysis of an image encryption scheme based on a compound chaotic sequence," <i>Image and Vision Computing</i>, Volume 27, Issue 8, pp. 1035-1039, Elsevier, 2009</p> <p>41. David Arroyo*, Chengqing Li, Shujun Li, Gonzalo Alvarez, "Cryptanalysis of a computer cryptography scheme based on a filter bank," <i>Chaos, Solitons & Fractals</i>, Volume 41, Issue 1, pp. 410-413, Elsevier, 2009</p>
2008	<p>42. David Arroyo*, Rhouma Rhouma, Gonzalo Alvarez, Shujun Li and Veronica Fernandez, "On the security of a new image encryption scheme based on chaotic map lattices," <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i>, Volume 18, Issue 3, art. Issue 033112, American Institute of Physics, 2008</p> <p>43. A.B. Orue, V. Fernandez, G. Alvarez, G. Pastor, M. Romera, Shujun Li and F. Montoya*, "Determination of the parameters for a Lorenz system and application to break the security of two-channel chaotic cryptosystems," <i>Physics Letters A</i>, Volume 372, Issue 34, pp. 5588-5592, Elsevier, 2008</p> <p>44. Shujun Li*, Chengqing Li, Guanrong Chen and Kwok-Tung Lo, "Cryptanalysis of RCES/RSES Image Encryption Scheme," <i>Journal of Systems and Software</i>, Volume 81, Issue 7, pp. 1130-1143, Elsevier, 2008</p> <p>45. Shujun Li*, Chengqing Li, Kwok-Tung Lo and Guanrong Chen, "Cryptanalyzing an Encryption Scheme Based on Blind Source Separation," <i>IEEE Transactions on Circuits and Systems—I: Regular Papers</i>, Volume 55, Issue 4, pp. 1055-1063, IEEE, 2008</p> <p>46. Shujun Li*, Chengqing Li, Guanrong Chen, Nikolaos G. Bourbakis and Kwok-Tung Lo, "A general quantitative cryptanalysis of permutation-only multimedia ciphers against plaintext attacks," <i>Signal Processing: Image Communication</i>, Volume 23, Issue 3, pp. 212-223, Elsevier, 2008</p> <p>47. Shujun Li*, Chengqing Li, Kwok-Tung Lo and Guanrong Chen, "Cryptanalysis of an Image Scrambling Scheme without Bandwidth Expansion," <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, Volume 18, Issue 3, pp. 338-349, IEEE, 2008</p> <p>48. Chengqing Li*, Shujun Li*, Gonzalo Alvarez, Guanrong Chen and Kwok-Tung Lo, "Cryptanalysis of a chaotic block cipher with external key and its improved version," <i>Chaos, Solitons & Fractals</i>, Volume 37, Issue 1, pp. 299-307, Elsevier, 2008</p>

	49. David Arroyo*, Gonzalo Álvarez*, Shujun Li , Chengqing Li and Juana Nunez, "Cryptanalysis of a discrete-time synchronous chaotic encryption system," <i>Physics Letters A</i> , Volume 372, Issue 7, pp. 1034-1039, Elsevier, 2008
2007	50. Chengqing Li*, Shujun Li* , Gonzalo Álvarez, Guanrong Chen and Kwok-Tung Lo, "Cryptanalysis of two chaotic encryption schemes based on circular bit shift and XOR operations," <i>Physics Letters A</i> , Volume 369, Issue 1-2, pp. 23-30, Elsevier, 2007 51. Shujun Li* , Guanrong Chen, Albert Cheung, Bharat Bhargava and Kwok-Tung Lo, "On the Design of Perceptual MPEG-Video Encryption Algorithms," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , Volume 17, Issue 2, pp. 214-223, IEEE, 2007 52. Gonzalo Álvarez*, Shujun Li and Luis Hernandez, "Analysis of security problems in a medical image encryption system," <i>Computers in Biology and Medicine</i> , Volume 37, Issue 3, pp. 424-427, Elsevier, 2007 53. Shujun Li* and Kwok-Tung Lo, "Security Problems with Improper Implementations of Improved FEA-M," <i>Journal of Systems and Software</i> , Volume 80, Issue 5, pp. 791-794, Elsevier, 2007
2006	54. Shujun Li* , Chengqing Li, Kwok-Tung Lo and Guanrong Chen, "Cryptanalysis of an Image Encryption Scheme," <i>Journal of Electronic Imaging</i> , Volume 15, Issue 4, article number 043012, SPIE / IS&T, 2006 55. Gonzalo Álvarez* and Shujun Li* , "Some Basic Cryptographic Requirements for Chaos-Based Cryptosystems," <i>International Journal of Bifurcation and Chaos</i> , Volume 16, Issue 8, pp. 2129-2151, World Scientific, 2006 56. Shujun Li* , Guanrong Chen and Gonzalo Álvarez, "Return-Map Cryptanalysis Revisited," <i>International Journal of Bifurcation and Chaos</i> , Volume 16, Issue 5, pp. 1157-1168, World Scientific, 2006 57. Gonzalo Álvarez* and Shujun Li , "Breaking an encryption scheme based on chaotic Baker map," <i>Physics Letters A</i> , Volume 352, Issue 1-2, pp. 78-82, Elsevier, 2006 58. Chengqing Li, Shujun Li* , Der-Chyuan Lou and Dan Zhang, "On the security of the Yen-Guo's domino signal encryption algorithm (DSEA)," <i>Journal of Systems and Software</i> , Volume 79, Issue 2, pp. 253-258, Elsevier, 2006 59. Chengqing Li, Shujun Li* , Dan Zhang and Guanrong Chen, "Cryptanalysis of a data security protection scheme for VoIP," <i>IEE Proceedings-Vision, Image & Signal Processing</i> , Volume 153, Issue 1, pp. 1-10, IEE, 2006
2005	60. Shujun Li* , Guanrong Chen and Xuanqin Mou, "On the Dynamical Degradation of Digital Piecewise Linear Chaotic Maps," <i>International Journal of Bifurcation and Chaos</i> , Volume 15, Issue 10, pp. 3119-3151, World Scientific, 2005 61. Kwok-wo Wong*, Kwan-Pok Man, Shujun Li and Xiaofeng Liao, "A More Secure Chaotic Cryptographic Scheme based on the Dynamic Look-up Table," <i>Circuits, Systems & Signal Processing</i> , Volume 24, Issue 5, pp. 571-584, Birkhäuser (part of Springer), 2005 62. Gonzalo Álvarez*, Luis Hernández, Jaime Muñoz, Fausto Montoya and Shujun Li , "Security analysis of communication system based on the synchronization of different order chaotic systems," <i>Physics Letters A</i> , Volume 345, Issue 4-6, pp 245-250, Elsevier, 2005 63. Chengqing Li*, Shujun Li* , Guanrong Chen, Gang Chen and Lei Hu, "Cryptanalysis of a New Signal Security System for Multimedia Data Transmission," <i>EURASIP Journal on Applied Signal Processing</i> , Volume 2005, Issue 8, pp. 1277-1288, Hindawi, 2005 64. Shujun Li* , Gonzalo Álvarez, Guanrong Chen and Xuanqin Mou, "Breaking a chaos-noise-based secure communication scheme," <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i> , Volume 15, Issue 1, article 013703 (10 pages), American Institute of Physics, 2005 65. Shujun Li* , Gonzalo Álvarez and Guanrong Chen, "Breaking a chaos-based secure communication scheme designed by an improved modulation method," <i>Chaos, Solitons & Fractals</i> , Volume 25, Issue 1, pp. 109-120, Elsevier, 2005 66. Gonzalo Álvarez* and Shujun Li , F. Montoya, G. Pastor and M. Romera, "Breaking projective chaos synchronization secure communication using filtering and generalized synchronization," <i>Chaos, Solitons & Fractals</i> , Volume 24, Issue 3, pp. 775-783, Elsevier, 2005
2004	67. Shujun Li* , Guanrong Chen and Xuanqin Mou, "On the Security of the Yi-Tan-Siew Chaotic Cipher," <i>IEEE Transactions on Circuits and Systems—II: Express Briefs</i> , Volume 51, Issue 12, pp. 665-669, IEEE, 2004 68. Shujun Li* , Guanrong Chen, Kwok-Wo Wong, Xuanqin Mou and Yuanlong Cai, "Baptista-type chaotic cryptosystems: Problems and countermeasures," <i>Physics Letters A</i> , Volume 332, Issue 5-6, pp. 368-375, Elsevier, 2004 69. Gonzalo Álvarez* and Shujun Li , "Breaking network security based on synchronized chaos," <i>Computer Communications</i> , Volume 27, no.16, pp. 1679-1681, Elsevier, 2004

2003	<p>70. Shujun Li*, Xuanqin Mou, Boliya L. Yang, Zhen Ji and Jihong Zhang, "Problems with a Probabilistic Encryption Scheme based on Chaotic Systems," International Journal of Bifurcation and Chaos, Volume 13, Issue 10, pp. 3063-3077, World Scientific, 2003</p> <p>71. Shujun Li*, Xuanqin Mou, Yuanlong Cai, Zhen Ji and Jihong Zhang, "On the security of a chaotic encryption scheme: problems with computerized chaos in finite computing precision," Computer Physics Communications, Volume 153, Issue 1, pp. 52-58, Elsevier, 2003</p> <p>72. Shujun Li*, Xuanqin Mou, Zhen Ji, Jihong Zhang and Yuanlong Cai, "Performance analysis of Jakimoski-Kocarev attack on a class of chaotic cryptosystems," Physics Letters A, Volume 307, Issue 1, pp. 22-28, Elsevier, 2003 (an erratum has been published in Physics Letters A, Volume 309, Issue 1-2, pp. 165, Elsevier, 2003)</p> <p>73. (In Chinese) 李树钧, 牟轩沁, 纪震, 张基宏, "一类混沌流密码的分析", 《电子与信息学报》, 第 25 卷, 第 4 期, 473-478 页, 科学出版社/中国科学院电子学研究所, 2003</p> <p>Shujun Li*, Xuanqin Mou, Zhen Ji and Jihong Zhang, "Cryptanalysis of a Class of Chaotic Stream Ciphers," Journal of Electronics & Information Technology, Volume 25, Issue 4, pp. 473-478, Science Press / Institute of Electronics, Chinese Academy of Sciences, 2003</p>
2001	<p>74. Shujun Li*, Xuanqin Mou and Yuanlong Cai, "Improving security of a chaotic encryption approach," Physics Letters A, Volume 290, Issue 3-4, pp. 127-133, Elsevier, 2001</p>
Before 2000 (all in Chinese)	<p>75. 蒋一峰, 纪震, 牟轩沁, 李树钧, "医用数字影像设备 PACS 组件的设计", 《中国医疗器械杂志》, 第 23 卷, 第 2 期, 63-67 页, 上海市医疗器械检测所, 1999</p> <p>Yifeng Jiang*, Zhen Ji, Xuanqin Mou and Shujun Li, "The Design and Implement of PACS," Chinese Journal of Medical Instrumentation, Volume 23, Issue 2, pp. 63-67, Shanghai Institute of Medical Device Testing, 1999</p> <p>76. 李树钧, 纪震, 牟轩沁, 蒋一峰, "利用 Internet 和 RAS 实现远程医疗", 《中国医疗器械杂志》, 第 23 卷, 第 1 期, 19-23+33 页, 上海市医疗器械检测所, 1999</p> <p>Shujun Li*, Zhen Ji, Xuanqin Mou and Yifeng Jiang, "The Implement of Remote Medical Treatment by Internet & RAS," Chinese Journal of Medical Instrumentation, Volume 23, Issue 1, pp. 19-23 & 33, Shanghai Institute of Medical Device Testing, 1999</p> <p>77. 李树钧, 纪震, 牟轩沁, 蒋一峰, "Windows 远程访问服务(RAS)客户程序的设计", 《计算机应用研究》, 第 15 卷, 第 2(J)期, 178-180 页, 四川省计算机应用研究中心, 1998</p> <p>Shujun Li*, Zhen Ji, Xuanqin Mou and Yifeng Jiang, "The Design of RAS (Remote Access Service) Client on Windows Platform," Application Research of Computers, Volume 15, Issue 2(J), pp. 178-180, Sichuan Research Center Of Computer Applications, 1998</p>
<p>All Publications: Peer-Reviewed Conference Papers</p> <p>In press</p>	<p>78. 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," accepted to ITSC 2023 (26th IEEE International Conference on Intelligent Transportation Systems) in July 2023, in press with IEEE</p>
2023	<p>79. 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 <i>Proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing (SAC 2023)</i>, pp. 1603-1606, ACM, 2023</p> <p>80. Enes Altuncu*, Jason R.C. Nurse, Meryem Bagriacik, Sophie Kaleba, Haiyue Yuan, Lisa Bonheme and Shujun Li*, "aedFaCT: Scientific Fact-Checking Made Easier via Semi-Automatic Discovery of Relevant Expert Opinions," in <i>Workshop Proceedings of the 17th International AAAI Conference on Web and Social Media</i>, Article Number 27, 10 pages, presented at MEDIATE 2023 (5th Workshop on News Media and Computational Journalism), co-located with ICWSM 2023 (17th International AAAI Conference on Web and Social Media), AAAI, 2023</p> <p>81. Haiyue Yuan, Matthew Boakes, Xiao Ma, Dongmei Cao and Shujun Li*, "Visualising Personal Data Flows: Insights from a Case Study of Booking.com," in <i>Intelligent Information Systems: CAiSE Forum 2023, Zaragoza, Spain, June 12–16, 2023, Proceedings, Lecture Notes in Business Information Processing (LNBIP)</i>, Volume 477, pp. 52-60, Springer, 2023</p>

	82. Ali Raza*, Kim Phuc Tran, Ludovic Koehl and Shujun Li*, "Proof of Swarm Based Ensemble Learning for Federated Learning Applications," in <i>Proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing (SAC 2023)</i> , pp. 152-155, ACM, 2023
2022	<p>83. Keenan Jones*, Jason R. C. Nurse and Shujun Li, "Are You Robert or RoBERTa? Deceiving Online Authorship Attribution Models Using Neural Text Generators," in <i>Proceedings of the 2022 16th AAAI International Conference on Web and Social Media (ICWSM 2022)</i>, pp. 429-440, AAAI, 2022</p> <p>84. 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 <i>Proceedings of the 2022 16th AAAI International Conference on Web and Social Media (ICWSM 2022)</i>, pp. 417-428, AAAI, 2022</p> <p>85. 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," <i>Proceedings of the 2022 21st IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2022)</i>, pp. 383-390, IEEE, 2022</p> <p>86. Haiyue Yuan* and Shujun Li*, "Cyber Security Risks of Net Zero Technologies," in <i>Proceedings of the 2022 5th IEEE Conference on Dependable and Secure Computing (IEEE DSC 2022)</i>, invited paper, 11 pages, IEEE, 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)</p> <p>87. Sarah Turner*, Jason R. C. Nurse and Shujun Li, "It was hard to find the words': Using an Autoethnographic Diary Study to Understand the Difficulties of Smart Home Cyber Security Practices," Mohamad Imad Mahaini and Shujun Li, "Detecting Cyber Security Related Twitter Accounts and Different Sub-Groups: A Multi-Classifer Approach," in <i>Extended Abstracts of the 2022 CHI Conference on Human Factors in Computing Systems (ACM CHI 2022)</i>, Article Number 34, 8 pages, ACM, 2022</p> <p>88. Sharifah Roziah Binti Mohd Kassim*, Solahuddin Bin Shamsuddin, Shujun Li and Budi Arief, "How National CSIRTs Operate: Personal Observations and Opinions from MyCERT," in <i>Proceedings of the 2022 5th IEEE Conference on Dependable and Secure Computing (IEEE DSC 2022)</i>, Experience and Practice Track paper, 2 pages, IEEE, 2022 (Best Paper Award of Experience and Practice Track)</p>
2021	<p>89. 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 <i>Proceedings of the 54th Hawaii International Conference on System Sciences (HICSS 2021)</i>, pp. 5347-5356, University of Hawai'i at Mānoa, 2021 (Best Paper Award of Location Intelligence Invited Track)</p> <p>90. Mohamad Imad Mahaini* and Shujun Li, "Detecting Cyber Security Related Twitter Accounts and Different Sub-Groups: A Multi-Classifer Approach," in <i>Proceedings of the 2021 13th IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2021)</i>, the paper as part of a co-located event <i>FOSINT-SI 2021</i>, pages 599-606, ACM, 2022</p> <p>91. Sarah Turner*, Jason R.C. Nurse and Shujun Li, "When Googling It Doesn't Work: The Challenge of Finding Security Advice for Smart Home Devices," in <i>Human Aspects of Information Security and Assurance: 15th IFIP WG 11.12 International Symposium, HAISA 2021, Virtual Event, July 7-9, 2021, Proceedings, IFIP Advances in Information and Communication Technology</i>, Volume 613, pp. 115-126, Springer Nature, 2021</p> <p>92. Keenan Jones*, Jason R.C. Nurse and Shujun Li, "The Shadowy Lives of Emojis: An Analysis of a Hacktivist Collective's Use of Emojis on Twitter," in <i>Workshop Proceedings of the 15th International AAAI Conference on Web and Social Media (Proceedings of Emoji 2021: 4th International Workshop on Emoji Understanding and Applications in Social Media)</i>, Article Number 4, AAAI, 2021</p>
2020	<p>93. Keenan Jones*, Jason R.C. Nurse and Shujun Li, "Behind the Mask: A Computational Study of Anonymous' Presence on Twitter," in <i>Proceedings of the 14th AAAI International Conference on Web and Social Media (ICWSM 2020)</i>, pp. 327-338, AAAI, 2020 (Honorable Mentions for Best Paper Award; acceptance rate of full papers: 72/298=24%)</p> <p>94. Rahime Belen Sağlam*, Çağrı B. Aslan, Shujun Li*, Lisa Dickson and Ganna Pogrebna, "A Data-Driven Analysis of Blockchain Systems' Public Online Communications on GDPR," in <i>Proceedings of the 2nd IEEE International Conference on Decentralized Applications and Infrastructures (IEEE DAPPS 2020)</i>, pp. 22-31, IEEE, 2020</p>

95. Kübra Aydın*, Rahime Belen Sağlam*, **Shujun Li** and Abdullah Bülbül, “When GDPR Meets CRAs (Credit Reference Agencies): Looking through the Lens of Twitter,” in *Proceedings of the 13th International Conference on Security of Information and Networks (SINCONF 2020)*, Article Issue 16, 8 pages, ACM, 2020
96. Zeynep Chousein*, Hacı Yakup Tetik*, Rahime Belen Sağlam*, Abdullah Bülbül and **Shujun Li**, “Tension between GDPR and Public Blockchains: A Data-Driven Analysis of Online Discussions,” in *Proceedings of the 13th International Conference on Security of Information and Networks (SINCONF 2020)*, Article Issue 17, 8 pages, ACM, 2020
97. Hui Wang*, Anthony T.S. Ho and **Shujun Li***, “OR-Benchmark: An Open and Reconfigurable Digital Watermarking Benchmarking Framework,” in *Computer Security: ESORICS 2020 International Workshops, DETIPS, DeSECSys, MPS, and SPOSE, Guildford, UK, September 17–18, 2020, Revised Selected Papers* (joint proceedings of four workshops co-located with ESORICS 2020, including [MPS 2020](#), the 3rd International Workshop on Multimedia Privacy and Security, co-located at [ESORICS 2020](#)), *Lecture Notes in Computer Science*, Volume 12580, pp. 243-260, Springer, 2020
98. Yang Lu* and **Shujun Li***, “From Data Flows to Privacy Issues: A User-Centric Semantic Model for Representing and Discovering Privacy Issues,” in *Proceedings of the 53rd Hawaii International Conference on System Sciences (HICSS 2020)*, pp. 6528-6537, University of Hawai’i at Mānoa, 2020

- 2019 99. 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
100. 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
101. 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
102. Iis Tussyadiah*, **Shujun Li** and Graham Miller, “Privacy protection in tourism: Where we are and where we should be heading for,” in *Information and Communication Technologies in Tourism 2019* (Proceedings of [ENTER 2019](#)), Springer, 2019

- 2018 103. **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)*, pp. 27-37, ACM, 2018
104. Çağrı B. Aslan*, Rahime Belen Sağlam and **Shujun Li**, “Automatic Detection of Cyber Security Related Accounts on Online Social Networks: Twitter as an example,” in *Proceedings of the 8th International Conference on Social Media & Society (SMSociety 2018)*, pp. 236-240, ACM, 2018

- 2017 105. Saeed Ibrahim Saeed Alqahtani* and **Shujun Li***, “PPAndroid-Benchmark: Benchmarking Privacy Protection Systems on Android Devices,” in *Proceedings of the 12th International Conference on Availability, Reliability and Security (ARES 2017)*, Article Number 19, ACM, 2017 (Acceptance rate of full papers: 24.21%)
106. Vlad Hosu*, Franz Hahn*, Mohsen Jenadeleh, Hanhe Lin, Hui Men, Tamás Szirányi, **Shujun Li*** and Dietmar Saupe*, “The Konstanz Natural Video Database (KoNViD-1k),” in *Proceedings of the 9th International Conference on Quality of Multimedia Experience (QoMEX 2017)*, IEEE, 2017
107. Christopher Sandy*, Patrice Rusconi and **Shujun Li**, “Can Humans Detect the Authenticity of Social Media Accounts? On the impact of verbal and non-verbal cues on credibility judgements of Twitter profile,” in *Proceedings of the 3rd IEEE International Conference on Cybernetics (CYBCONF 2017)*, pp. 479-486, IEEE, 2017
108. Nick Williams* and **Shujun Li***, “Simulating human detection of phishing websites: An investigation into the applicability of ACT-R cognitive behavior architecture model,” in

	<p><i>Proceedings of the 3rd IEEE International Conference on Cybernetics (CYBCONF 2017)</i>, pp. 471-478, IEEE, 2017</p> <p>109. Haiyue Yuan*, Shujun Li*, Patrice Rusconi and Nouf Aljaffan, "When Eye-tracking Meets Cognitive Modeling: Applications to Cyber Security Systems," in <i>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</i>, Volume 10292, pp. 251-264, Springer, 2017 (HAS 2017 Best Paper Award, 1 out of 46 papers \approx 2.2%)</p> <p>110. Nouf Aljaffan*, Shujun Li* and Haiyue Yuan, "PSV (Password Security Visualizer): From Password Checking to User Education," in <i>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</i>, Volume 10292, pp. 191-211, Springer, 2017</p>
2016	<p>111. Dietmar Saupe*, Franz Hahn, Vlad Hosu, Igor Zingman, Masud Rana and Shujun Li, "Crowd workers proven useful: A comparative study of subjective video quality assessment," presented at the 8th International Conference on Quality of Multimedia Experience (QoMEX 2016) as a short paper (not included in the proceedings, available at http://www.hooklee.com/Papers/QoMEX2016.pdf)</p>
2015	<p>112. Roland Schmitz*, Shujun Li, Christos Grecos and Xinpeng Zhang, "Content-Fragile Commutative Watermarking-Encryption Based on Pixel Entropy," in <i>Advanced Concepts for Intelligent Vision Systems: 16th International Conference, ACIVS 2015, Catania, Italy, October 26-29, 2015, Proceedings, Lecture Notes in Computer Science</i>, Volume 9386, pp. 474-485, Springer, 2015</p>
2014	<p>113. Fang Liu*, Hui Wang, Lee-Ming Cheng, Anthony T.S. Ho and Shujun Li, "Enhanced Perceptual Image Authentication with Tamper Localization and Self-Restoration," in <i>Proceedings of 2014 IEEE International Conference on Multimedia and Expo (ICME 2014)</i>, IEEE, 2014</p> <p>114. Matthew Davidson, Karen Renaud* and Shujun Li, "jCAPTCHA: Accessible Human Validation," in <i>Computers Helping People with Special Needs: 14th International Conference, ICCHP 2014, Paris, France, July 9-11, 2014, Proceedings, Part I, Lecture Notes in Computer Science</i>, Volume 8547, pp 129-136, Springer, 2014</p>
2013	<p>115. Roland Schmitz*, Shujun Li, Christos Grecos and Xinpeng Zhang, "Towards More Robust Commutative Watermarking-Encryption of Images," in <i>Proceedings of the 15th IEEE International Symposium on Multimedia (ISM 2013)</i>, pp. 283-286, IEEE, 2013</p> <p>116. Junaid Jameel Ahmad*, Shujun Li* and Marco Mattavelli, "Performance Benchmarking of RVC Based Multimedia Specifications," in <i>Proceedings of the 20th IEEE International Conference on Image Processing (ICIP 2013)</i>, pp. 4569-4572, IEEE, 2013</p> <p>117. 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 <i>Proceedings of the 20th Annual Network & Distributed System Security Symposium (NDSS 2013)</i>, Internet Society, 2013 (Acceptance rate: 47/250=18.8%)</p>
2012	<p>118. Ainuddin Wahid Abdul Wahab*, Anthony TS Ho and Shujun Li, "Inter-Camera Model Image Source Identification with Conditional Probability Features," in <i>Proceedings of the IEEEJ Image Electronics and Visual Computing Workshop 2012 (IEVC 2012)</i>, Paper ID 2P-2, IEEEJ, 2012 (Best Paper Award: 3/95\approx3.2%)</p> <p>119. Roman Byshko* and Shujun Li*, "Characterization of iPhone Displays: A Comparative Study," in <i>Proceedings of the 18th German Color Group Workshop on Color Image Processing (Tagungsband vor 18. Workshop Farbbildverarbeitung 2012, 27-28 September 2012 in Darmstadt, Germany)</i>, pp. 49-60, Technische Universität Darmstadt, 2012, ISBN: 978-3-00-039639-7</p> <p>120. Junaid Jameel Ahmad*, Shujun Li*, Ahmad-Reza Sadeghi and Thomas Schneider, "CTL: A Platform-Independent Crypto Tools Library Based on Dataflow Programming Paradigm," in <i>Financial Cryptography and Data Security: 16th International Conference, FC 2012, Kralendijk, Bonaire, February 27-March 2, 2012, Revised Selected Papers, Lecture Notes in Computer Science</i>, Volume 7397, pp. 299-313, Springer, 2012 (Acceptance rate of long papers: 23/88=26.1%)</p> <p>121. Roland Schmitz*, Shujun Li*, Christos Grecos and Xinpeng Zhang, "A New Approach to Commutative Watermarking-Encryption," in <i>Communications and Multimedia Security: 13th IFIP TC 6/TC 11 International Conference, CMS 2012, Canterbury, UK, September 3-5, 2012. Proceedings, Lecture Notes in Computer Science</i>, Volume 7394, pp. 117-130, Springer, 2012</p>

	<p>122. Kongfeng Zhu*, Shujun Li and Dietmar Saupe, “An objective method of measuring texture preservation for camcorder performance evaluation,” in <i>Image Quality and System Performance IX</i> (part of IS&T/SPIE Electronic Imaging 2012, Burlingame, CA, USA, 22-26 January 2012), Proceedings of SPIE, Volume 8293, Article Number 829304, SPIE, 2012</p> <p>123. Sabine Cornelsen, Andreas Karrenbauer and Shujun Li, “Leveling the Grid,” in <i>Proceedings of the 14th Meeting on Algorithm Engineering and Experiments</i> (ALENEX 2012, Kyoto, Japan, 16 January 2012), pp. 45-54, SIAM, 2012 (Acceptance rate: 15/48=31%)</p> <p>124. 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 <i>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</i>, Volume 7035, pp. 235-249, Springer, 2012 (Acceptance rate of long papers: 15/74=20.3%)</p>
2011	<p>125. Yousra Javed, Maliha Nazir, Muhammad Murtaza Khan, Syed Ali Khayam and Shujun Li, “Captchæcker: Reconfigurable CAPTCHAs Based on Automated Security and Usability Analysis,” in <i>Proceedings of the 4th Symposium on Configuration Analytics and Automation</i> (SafeConfig 2011, 31 October 31 – 1 November 2011, Arlington, VA, USA), IEEE, 2011 (Acceptance rate: 10/29=34.5%)</p> <p>126. Junaid Jameel Ahmad*, Shujun Li*, Ihab Amer and Marco Mattavelli, “Building Multimedia Security Applications in the MPEG Reconfigurable Video Coding (RVC) Framework,” in <i>Proceedings of the 13th ACM Workshop on Multimedia and Security</i> (ACM MM&Sec 2011, Buffalo/Niagara Falls, NY, USA, 29-30 September 2011), ACM, 2011</p> <p>127. Shujun Li*, Andreas Karrenbauer, Dietmar Saupe and C.-C. Jay Kuo, “Recovering Missing Coefficients in DCT-Transformed Images,” in <i>Proceedings of the 18th IEEE International Conference on Image Processing</i> (ICIP 2011, Brussels, Belgium, 11-14 September 2011), pp. 1537-1540, IEEE, 2011</p> <p>128. Toni Perković*, Asma Mumtaz, Yousra Javed, Shujun Li*, Syed Ali Khayam and Mario Čagalj, “Breaking Undercover: Exploiting Design Flaws and Nonuniform Human Behavior,” in <i>Proceedings of the 7th Symposium On Usable Privacy and Security</i> (SOUPS 2011, Pittsburgh, PA, USA, 20-22 July 2011), ACM, 2011 (Acceptance rate: 15/45=33.3%)</p> <p>129. Shujun Li*, Chengqing Li and C.-C. Jay Kuo, “On the Security of a Secure Lempel-Ziv-Welch (LZW) Algorithm,” in <i>Proceedings of the 2011 IEEE International Conference on Multimedia and Expo</i> (ICME 2011, Barcelona, Spain, 11-15 July 2011), IEEE, 2011</p> <p>130. Hassan Jammal Asghar*, Shujun Li, Josef Pieprzyk and Huaxiong Wang, “Cryptanalysis of the Convex Hull Click Human Identification Protocol,” in <i>Information Security: 13th International Conference, ISC 2010, Boca Raton, FL, USA, October 25-28, 2010, Revised Selected Papers, Lecture Notes in Computer Science, Volume 6531</i>, pp. 24-30, Springer, 2011 (Acceptance rate: 37/134=27.6%)</p>
2010	<p>131. Shujun Li*, Syed Amier Haider Shah, Muhammad Asad Usman Khan, Syed Ali Khayam, Ahmad-Reza Sadeghi and Roland Schmitz, “Breaking e-Banking CAPTCHAs,” in <i>Proceedings of the 26th Annual Computer Security Applications Conference</i> (ACSAC 2010, Austin, TX, USA, 6-10 December 2010), pp. 171-180, ACM, 2010 (Acceptance rate: 39/227=17.2%)</p> <p>132. Shujun Li*, Junaid Jameel Ahmad, Dietmar Saupe and C.-C. Jay Kuo, “An Improved DC Recovery Method from AC Coefficients of DCT-Transformed Images,” in <i>Proceedings of the 17th IEEE International Conference on Image Processing</i> (ICIP 2010, Hong Kong, China, 26-29 September 2010), pp. 2085-2088, IEEE, 2010</p> <p>133. David Arroyo*, Alvarez, José María Amigó, Shujun Li and Gonzalo Alvarez, “On the inadequacy of unimodal maps for cryptographic applications,” in <i>Proceedings of the 11th Spanish Meeting on Cryptology and Information Security</i> (RECSI 2010, Tarragona, Spain, 7-10 September 2010), pp. 37-42, Universitat Rovira i Virgili, 2010</p> <p>134. Shujun Li*, Syed Ali Khayam, Ahmad-Reza Sadeghi and Roland Schmitz, “Breaking Randomized Linear Generation Functions based Virtual Password System,” in <i>Proceedings of the 35th IEEE International Conference on Communications</i> (ICC 2010, Communication and Information Systems Security Symposium, Cape Town, South Africa, 23-27 May 2010), IEEE, 2010, doi: 10.1109/ICC.2010.5502416</p>
2009	<p>135. 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 <i>Proceedings of the 25th Annual Computer Security Applications Conference</i> (ACSAC 2009, Honolulu, Hawaii, USA, 7-11 December 2009), pp. 209-218, IEEE, 2009 [Full paper: http://eprint.iacr.org/2009/476] (Acceptance rate: 44/224=19.6%)</p>

	<p>136. Shujun Li* and Roland Schmitz, "A Novel Anti-Phishing Framework Based on Honeypots," in <i>Proceedings of the 4th Annual APWG eCrime Researchers Summit (eCRS 2009)</i>, Tacoma, WA, USA, 20 & 21 October 2009, 13 pages, IEEE, 2009 (Acceptance rate: 35%)</p> <p>137. David Arroyo*, Gonzalo Alvarez and Shujun Li, "Some Hints for the Design of Digital Chaos-Based Cryptosystems: Lessons Learned from Cryptanalysis," in <i>Analysis and Control of Chaotic Systems</i>, Volume 2, (Proceedings of CHAOS 2009, the 2nd IFAC Meeting on Analysis and Control of Chaotic Systems, Queen Mary, University of London, UK, 22-24 June 2009), pp. 171-175, IFAC, 2009</p> <p>138. Shujun Li*, Guanrong Chen, Albert Cheung, Kwok-Tung Lo and Mohan Kankanhalli, "On the Security of an MPEG-Video Encryption Scheme Based on Secret Huffman Tables," in <i>Advances in Image and Video Technology - Third Pacific Rim Symposium, PSIVT 2009, Tokyo, Japan, January 13-16, 2009. Proceedings</i>, Lecture Notes in Computer Science, Volume 5414, pp. 898-909, Springer, 2009</p>
2007	<p>139. Shujun Li*, Gonzalo Álvarez, Zhong Li and Wolfgang A. Halang, "Analog Chaos-based Secure Communications and Cryptanalysis: A Brief Survey," in <i>The 3rd International IEEE Scientific Conference on Physics and Control (PhysCon 2007)</i>, September 3rd-7th 2007 at the University of Potsdam (Abstract Collection), page 92, 2007 [Full paper: http://lib.physcon.ru/?item=1368]</p>
2005	<p>140. Daniel Socek*, Shujun Li, Spyros S. Magliveras and Borko Furht, "Enhanced 1-D Chaotic Key-Based Algorithm for Image Encryption," in <i>Proceedings of the 1st IEEE/CreateNet International Conference on Security and Privacy for Emerging Areas in Communication Networks (SecureComm 2005)</i>, Athens, Greece, 5-9 September 2005, pp. 406-408 (short paper), IEEE Computer Society, 2005</p> <p>141. Chengqing Li, Shujun Li*, Dan Zhang and Guanrong Chen, "Chosen-Plaintext Cryptanalysis of a Clipped-Neural-Network-Based Chaotic Cipher," in <i>Advances in Neural Networks – ISNN 2005: Second International Symposium on Neural Networks, Chongqing, China, May 30 - June 1, 2005, Proceedings, Part II</i>, Lecture Notes in Computer Science, Volume 3497, pp. 630-636, Springer, 2005</p> <p>142. Chengqing Li, Xinxiao Li, Shujun Li* and Guanrong Chen, "Cryptanalysis of a Multistage Encryption System," in <i>Proceedings of the 2005 IEEE International Symposium on Circuits and Systems (ISCAS 2005)</i>, Kobe Japan, 23-26 May 2005, pp. 880-883, IEEE, 2005</p>
2004	<p>143. Chengqing Li, Shujun Li*, Dan Zhang and Guanrong Chen, "Cryptanalysis of a Chaotic Neural Network Based Multimedia Encryption Scheme," in <i>Advances in Multimedia Information Processing - PCM 2004: 5th Pacific Rim Conference on Multimedia</i>, Tokyo, Japan, November 30 - December 3, 2004. <i>Proceedings, Part III</i>, Lecture Notes in Computer Science, Volume 3333, pp. 418-425, Springer, 2004</p>
2002	<p>144. Shujun Li* and Xuan Zheng, "On the security of an image encryption method," in <i>Proceedings of the 2002 IEEE International Conference on Image Processing (ICIP 2002)</i>, Rochester, New York, USA, 22-25 September 2002, Volume 2 of 3, pp. 925-928, IEEE, 2002</p> <p>145. Shujun Li* and Xuan Zheng, "Cryptanalysis of a chaotic image encryption method," in <i>Proceedings of the 2002 IEEE International Symposium on Circuits and Systems (ISCAS 2002)</i>, Scottsdale, AZ, USA, 26-29 May 2002, Volume 2 of 5, pp. 708-711, IEEE, 2002</p> <p>146. Shujun Li*, Xuan Zheng, Xuanqin Mou and Yuanlong Cai, "Chaotic encryption scheme for real-time digital video," in <i>Real-Time Imaging VI</i> (proceedings of a sub-conference of IS&T/SPIE Electronic Imaging 2002, San Jose, CA, USA, 20-25 January 2002), Proceedings of SPIE, Volume 4666, pp. 149-160, SPIE/IS&T, 2002</p>
2001	<p>147. Shujun Li*, Xuanqin Mou and Yuanlong Cai, "Pseudo-Random Bit Generator Based on Couple Chaotic Systems and Its Applications in Stream-Cipher Cryptography," in <i>Progress in Cryptology - INDOCRYPT 2001: Second International Conference on Cryptology in India, Chennai, India, December 16-20, 2001. Proceedings</i>, Lecture Notes in Computer Science, Volume 2247, pp. 316-329, Springer, 2001</p> <p>148. Shujun Li*, Qi Li, Wenmin Li, Xuanqin Mou and Yuanlong Cai, "Statistical Properties of Digital Piecewise Linear Chaotic Maps and Their Roles in Cryptography and Pseudo-Random Coding," in <i>Cryptography and Coding: 8th IMA International Conference, Cirencester, UK, December 17-19, 2001. Proceedings</i>, Lecture Notes in Computer Science, Volume 2260, pp. 205-221, Springer, 2001</p>
2000	<p>149. Shujun Li*, Peng Wang, Xuanqin Mu and Yuanlong Cai, "Research on non-linear dynamic systems employing color space," in <i>Proceedings of the 2000 5th International Conference on Signal Processing (ICSP 2000)</i>, Beijing, China, 21-25 August 2000, Volume 1 of 3, pp. 285-289, IEEE / Publishing House of Electronics Industry (China), 2000</p>

<p>All Publications:</p> <p>Book Chapters</p>	<ol style="list-style-type: none"> 150. 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 <i>AI and Future Social Development</i>, edited by Yi-Ke Guo, pp. 119-156, 2020 © Scientific and Technical Documentation Press, China 151. Roland Schmitz*, Shujun Li, Christos Grecos and Xinpeng Zhang, “Commutative Watermarking-Encryption of Multimedia Data Based on Histograms,” Chapter 6 of <i>Intelligent Innovations in Multimedia Data Engineering and Management</i>, edited by Siddhartha Bhattacharyya, pp. 141-163, ISBN: 978-1-522-57107-0, ISI Global, 2018 152. Shujun Li* and Anthony T.S. Ho, “Digital Forensics Laboratories in Operation: How are Multimedia Data and Devices Handled?” in <i>Handbook of Digital Forensics of Multimedia Data and Devices</i>, edited by Anthony T.S. Ho and Shujun Li, Chapter 1, pp. 3-37, ISBN: 978-1-118-64050-0, John Wiley & Sons, Inc. and IEEE Press, 2015 153. Shujun Li*, Mandeep K. Dhami and Anthony T.S. Ho, “Standards and Best Practices in Digital and Multimedia Forensics,” in <i>Handbook of Digital Forensics of Multimedia Data and Devices</i>, edited by Anthony T.S. Ho and Shujun Li, Chapter 2, pp. 38-93, ISBN: 978-1-118-64050-0, John Wiley & Sons, Inc. and IEEE Press, 2015 154. Shujun Li*, “Perceptual Encryption of Digital Images and Videos,” in <i>Perceptual Digital Imaging: Methods and Applications</i>, edited by Rastislav Lukac, Chapter 14, pp. 431-468, ISBN: 978-1-43-986856-0, CRC Press, 2012 155. Shujun Li*, “On the Performance of Secret Entropy Coding: A Perspective Beyond Security,” in <i>Autonomous Systems: Developments and Trends</i>, edited by Herwig Unger, Kyandoghene Kyamaky and Janusz Kacprzyk, <i>Studies in Computational Intelligence</i>, Volume 391, pp. 389-401, ISBN: 978-3-642-24805-4, Springer, 2011 156. Gonzalo Alvarez*, José María Amigó, David Arroyo and Shujun Li, “Lessons Learnt from the Cryptanalysis of Chaos-Based Ciphers,” in <i>Chaos-Based Cryptography: Theory, Algorithms and Applications</i>, edited by Ljupco Kocarev and Shiguo Lian, <i>Studies in Computational Intelligence</i>, Volume 354, pp. 257-295, ISBN: 978-3-642-20541-5, Springer, 2011 157. Shujun Li*, Zhong Li and Wolfgang A. Halang, “Multimedia Encryption,” in <i>Encyclopedia of Multimedia Technology and Networking</i>, 2nd edition, edited by Margherita Pagani, Volume II, pp. 972-977, ISBN: 9781605660141, Idea Group, 2008 158. Shujun Li*, Guanrong Chen and Xuan Zheng, “Chaos-Based Encryption for Digital Images and Videos,” Chapter 4 of <i>Multimedia Security Handbook</i>, pp. 133-167, edited by Borko Burht and Darko Kirovski, ISBN: 9780849327735, CRC Press (part of Taylor & Francis), 2004 <i>This book was republished in March 2006 by Auerbach Publications (also part of Taylor & Francis) with a different title “Multimedia Encryption and Authentication Techniques and Applications” (ISBN: 9780849372124).</i>
<p>All Publications:</p> <p>Non-Reviewed Papers</p> <p>Technical reports</p>	<ul style="list-style-type: none"> • Krysia Emily Waldock*, Shujun Li* and Virginia N.L. Franqueira (survey co-designers and co-analysts), “Cyber Security in UK Schools Report 2022: How well protected are schools and colleges in England and Wales?” technical report, 21 pages, SWGfL, June 2022, sponsored by Bitdefender • 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 • Krysia 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 • Mandeep K. Dhami, Shujun Li, Ahmad Natour and Anthony Ho, “Digital Forensics – Standards,” technical report, 80 pages, June 2012, for Home Office, UK Government (A substantially updated version of this report appeared as a book chapter in 2015.)
<p>Magazine article</p>	<ul style="list-style-type: none"> • Shujun Li*, Sarah Turner, Rahime Belen-Saglam and Virginia N. L. Franqueira, “Online battles: combatting false information and reducing online risks,” <i>Futurum Careers</i>, Issue 18, Part I, pp. 12-15, 2023, DOI:10.33424/FUTURUM302

- Shujun Li* and Jason Nurse, "How to Beat the Cybercriminals and Stay Safe Online," [Futurum Careers](#), Issue 4, pp. 32-33, 2020, DOI:10.33424/FUTURUM43
- Ming Yang*, Nikolaos Bourbakis* and Shujun Li, "Data-Image-Video Encryption," [IEEE Potentials](#), Volume 23, Issue 3, pp. 28-34, IEEE, 2004

Standard contributions

- Shujun Li*, Marco Mattavelli and Mickaël Raulet, "Text of ISO/IEC 23001-4/COR1," ISO/IEC JTC1/SC29/WG11, MPEG2010/w11813, 95th MPEG Meeting, Daegu, South Korea, January 2011
- Hwa Seon Shin, Kazuo Sugimoto, Ihab Amer, Marco Mattavelli*, Gwo Giun Lee and Shujun Li, "Description of Core Experiments in RVC (Reconfigurable Video Coding)," ISO/IEC JTC1/SC29/WG11, MPEG2010/w11628, 94th MPEG Meeting, Guangzhou, China, October 2010
- Mickaël Raulet* and Shujun Li, "Working Draft of ISO/IEC 23001-4/Amd.1," ISO/IEC JTC1/SC29/WG11, MPEG2010/w11623, 94th MPEG Meeting, Guangzhou, China, October 2010
- Shujun Li*, Mickaël Raulet and Marco Mattavelli, "Text of ISO/IEC 23001-4/DCOR1," ISO/IEC JTC1/SC29/WG11, MPEG2010/w11622, 94th MPEG Meeting, Guangzhou, China, October 2010
- Shujun Li*, "Process for Extending MPEG RVC VTL and Corresponding Verification Testing Procedures," ISO/IEC JTC1/SC29/WG11, MPEG2010/w11474, 93rd MPEG Meeting, Geneva, Switzerland, July 2010
- Hwa Seon Shin, Kazuo Sugimoto, Ihab Amer, Marco Mattavelli*, Gwo Giun Lee and Shujun Li, "Description of Core Experiments in RVC," ISO/IEC JTC1/SC29/WG11, MPEG2010/w11473, 93rd MPEG Meeting, Geneva, Switzerland, July 2010
- Shujun Li*, "Defect Report on ISO/IEC 23001-4," ISO/IEC JTC1/SC29/WG11, MPEG2010/w11469, 93rd MPEG Meeting, Geneva, Switzerland, July 2010
- Junaid Jameel Ahmad and Shujun Li, "Extending the Comparative Study on the Performance of C Code Automatically Generated by ORCC from RVC-CAL Code to a Resource-Constrained Embedded System," ISO/IEC JTC1/SC29/WG11, MPEG2011/m21289, 97th MPEG Meeting, Torino, Italy, July 2011
- Junaid Jameel Ahmad* and Shujun Li, "Performance Benchmarking of C Code Automatically Generated by ORCC from RVC-CAL Code on a Quad-Core Machine," ISO/IEC JTC1/SC29/WG11, MPEG2011/m21250, 97th MPEG Meeting, Torino, Italy, July 2011
- Junaid Jameel Ahmad* and Shujun Li, "Evaluating the Support of Handling Huge XDF Networks by the Open RVC-CAL Compiler (ORCC) and the Graphiti-Editor," ISO/IEC JTC1/SC29/WG11, MPEG2011/m21249, 97th MPEG Meeting, Torino, Italy, July 2011
- Junaid Jameel Ahmad*, Shujun Li, Endri Bezati and Marco Mattavelli, "Building Joint Image Encryption-Encoding (JIEE) and Compressed Domain Image Watermarking Systems in the RVC Framework," ISO/IEC JTC1/SC29/WG11, MPEG2011/m21188, 97th MPEG Meeting, Torino, Italy, July 2011
- Junaid Jameel Ahmad*, Shujun Li, Ihab Amer, and Marco Mattavelli, "Building Joint MPEG-4 AVC Video Encryption-Encoding (JVEE) System in the RVC Framework," ISO/IEC JTC1/SC29/WG11, MPEG2011/m21185, 97th MPEG Meeting, Torino, Italy, July 2011
- Junaid Jameel Ahmad and Shujun Li*, "A comparative study on the performance of C code automatically generated by ORCC from RVC-CAL code," ISO/IEC JTC1/SC29/WG11, MPEG2011/m19383, 95th MPEG Meeting, Daegu, Korea, January 2011
- Marco Mattavelli*, Mickaël Raulet, Shujun Li and Jörn W. Janneck, "Proposed requirements for RVC and RGC specification languages and solution," ISO/IEC JTC1/SC29/WG11, MPEG2010/m18614, 94th MPEG Meeting, Guangzhou, China, October 2010
- Jörn W. Janneck*, Marco Mattavelli, Matthieu Wipliez, Mickaël Raulet, Shujun Li*, Johan Eker, Carl Von Platen, Ghislain Roquier, Ihab Amer, Christophe Lucarz, Pascal Faure and Junaid Jameel Ahmad, "A proposal of RVC-CAL extensions for improved support of I/O processing," ISO/IEC JTC1/SC29/WG11, MPEG2010/m18460, 94th MPEG Meeting, Guangzhou, China, October 2010
- Jörn W. Janneck*, Mickaël Raulet, Matthieu Wipliez, Johan Eker, Ghislain Roquier, Ihab Amer, Christophe Lucarz, Shujun Li, Junaid Jameel Ahmad and Marco Mattavelli*, "Writing dataflow networks components (FUs) with different models of computations using RVC-CAL: a tutorial," ISO/IEC JTC1/SC29/WG11, MPEG2010/m18458, 94th MPEG Meeting, Guangzhou, China, October 2010
- Junaid Jameel Ahmad, Shujun Li*, Marco Mattavelli, Matthieu Wipliez, Mickaël Raulet, "Crypto Tools Library (CTL): Applying RVC-CAL to Multimedia Security Applications," ISO/IEC JTC1/SC29/WG11, MPEG2010/m18404, 94th MPEG Meeting, Guangzhou, China, October 2010
- Shujun Li*, Marco Mattavelli, Mickaël Raulet, Matthieu Wipliez, Jörn W. Janneck, Johan Eker, Carl Von Platen, Ghislain Roquier, Beilu Shao, Christophe Lucarz and Pascal Faure, "Proposed

	<p>corrections and new changes to ISO/IEC 23001-4:2009," ISO/IEC JTC1/SC29/WG11, MPEG2010/m17806, 93rd MPEG Meeting, Geneva, Switzerland, July 2010</p> <ul style="list-style-type: none"> • Shujun Li*, Junaid Jameel Ahmad, Ihab Amer and Marco Mattavelli*, "Extending RVC for Wireless Multimedia Sensor Networks and Cryptography Applications," ISO/IEC JTC1/SC29/WG11, MPEG2009/m16989, 90th MPEG Meeting, October 2009, Xi'an, China
Conference posters	<ul style="list-style-type: none"> • Haiyue Yuan, Shujun Li*, Anthony T.S. Ho, Paul Palmer, Andy Lloyd and Graham Head, "Forensic Vehicle Convoy Analysis Using ANPR Data," presented at DFRWS EU 2016, March 29-31, 2016, Lausanne, Switzerland • Kyriakos Kafas, Nouf Aljaffan and Shujun Li*, "Visual Password Checker," presented at 9th Symposium On Usable Privacy and Security (SOUPS 2013), July 24-26, 2013, Newcastle, UK • Maliha Nazir, Yousra Javed, Muhammad Murtaza Khan*, Syed Ali Khayam and Shujun Li*, "Captchæcker – Automating Usability-Security Evaluation of Textual CAPTCHAs," presented at 7th Symposium On Usable Privacy and Security (SOUPS 2011), Carnegie Mellon University campus in Pittsburgh, PA, USA, July 20-22, 2011 • Shujun Li*, Ahmad-Reza Sadeghi and Roland Schmitz, "hPIN/hTAN: Low-Cost e-Banking Secure against Untrusted Computers," presented at 14th International Conference Financial Cryptography and Data Security (FC 2010) in Tenerife, Canary Islands, January 25-28, 2010, one-page abstract published in <i>Financial Cryptography and Data Security: 14th International Conference, FC 2010, Tenerife, Canary Islands, January 25-28, 2010, Revised Selected Papers, Lecture Notes in Computer Science</i>, Volume 6052, pp. 429, Springer, 2010
Patent applications	<ul style="list-style-type: none"> • Shujun Li* and Nouf Aljaffan, "Improved Authentication," GB application filed on January 13, 2017 to UK Intellectual Property Office (IPO), Application Number 1700649.5, available online at • Shujun Li* and Anthony T S Ho, "Hiding Information in a Digital Environment," Publication Issue WO/2016/075459, International Application Issue PCT/GB2015/053412, GB application filed on 11th November 2014, international application filed on 11th November 2015, published by WIPO (World Intellectual Property Organization) on 19th May 2016, available online at https://patentscope.wipo.int/search/en/WO2016075459
E-letter	<ul style="list-style-type: none"> • Shujun Li*, "Encryption-Friendly Multimedia Coding and Communications: Is it Necessary and Possible?" E-Letter of IEEE Communications Society's Technical Committee on Multimedia Communications, Volume 4, Issue 1, pp. 15-18, February 2009
ePrints (Unpublished elsewhere)	<ol style="list-style-type: none"> 1. Aamo Iorliam, Santosh Tirunagari, Anthony T.S. Ho*, Shujun Li*, Adrian Waller* and Norman Poh, "'Flow Size Difference' Can Make a Difference: Detecting Malicious TCP Network Flows Based on Benford's Law," arXiv:1609.04214, 2016 2. Shujun Li* and Heung-Yeung Shum, "Secure Human-Computer Identification (Interface) Systems against Peeping Attacks: SecHCI," IACR's Cryptology ePrint Archive: Report 2005/268, received on 12 Aug 2005 (an early version has been appeared online in Elsevier's Computer Science Preprint Archive, Volume 2004, Issue 3, pp. 21-69, 2004) 3. Shujun Li* and Heung-Yeung Shum, "Secure Human-Computer Identification against Peeping Attacks (SecHCI): A Survey," technical report, 58 pages, 2002, available online at http://www.hooklee.com/Papers/SecHCI.pdf (an early version has been published online in Elsevier's Computer Science Preprint Archive, Volume 2003, Issue 1, pp. 5-57, 2003) 4. Shujun Li*, Guanrong Chen, Albert Cheung and Kwok-Tung Lo, "Cryptanalysis of an MPEG-video Encryption Scheme Based on Secret Huffman Tables," arXiv:cs/0509035, v2, 2007 5. Shujun Li* and Bharat Bhargava, "A Note on 'MPEG Video Encryption Algorithms'," a short note on the result given in the Appendix of [Multimedia Tools and Applications, 24: 57-79, 2004], August 2004, available online at http://www.hooklee.com/Papers/MMTA2004_note.pdf 6. Shujun Li*, "When Chaos Meets Computers," arXiv:nlin/0405038, v3, 2005 7. Gonzalo Alvarez*, Shujun Li, "Estimating short-time period to break different types of chaotic modulation based secure communications," arXiv:nlin/0406039, 2004 8. Gonzalo Álvarez*, Shujun Li*, Jinhu Lü and Guanrong Chen, "Inherent Frequency and Spatial Decomposition of the Lorenz Chaotic Attractor," arXiv:nlin/0406031, v2, 2004 9. Shujun Li*, "Permutation Polynomials modulo m," arXiv:math.NT/0509523, v6, 2005 10. Shujun Li*, "Null Polynomials modulo m," arXiv:math.NT/0510217, v2, 2005 11. Shujun Li*, "Evaluating Determinants of Two Classes of Special Matrices," arXiv:math.NT/0509350, v4, 2005
Scientific Software	
Multimedia coding	<ul style="list-style-type: none"> • Shujun Li, "mpegSyntaxer – Visual Syntax Viewer of MPEG-1/2 Videos," a joint product of the Centre for Chaos and Complex Networks (CCCN) and the Applied R&D Centres, City University of Hong Kong, 2005 © City University of Hong Kong

	<ul style="list-style-type: none"> • Shujun Li, "mpegVES – Virtual Encryption Studio for MPEG-1/2 Videos," a joint product of the Centre for Chaos and Complex Networks (CCCN) and the Applied R&D Centres, City University of Hong Kong, 2005 © City University of Hong Kong
User authentication	<ul style="list-style-type: none"> • Shujun Li, "SecHCI: Secure Human-Computer Identification System against Peeping (Observer) Attacks," 2002, last updated on 24 July 2004, available online at http://www.hooklee.com/SecHCI
TeX/L ^A TeX	<ul style="list-style-type: none"> • Shujun Li, "ChinaTeX Project: T_EX/L^AT_EX Tools, Packages and Templates," 2001 – present, available online at http://www.hooklee.com/tex.html