

# Curriculum Vitae (27 December 2018)

## Personal Information



Full name **Shujun Li (李树钧)**

Positions held Director, [Kent Interdisciplinary Research Centre in Cyber Security \(KirCCS\)](#)  
Professor of Cyber Security and Head of [Cyber Security Research Group](#), [School of Computing University of Kent](#), Canterbury, UK

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## Research Interests

Cyber security (usable security, user privacy, digital forensics and cybercrime, information hiding and watermarking, mobile security, security visualization, systems security, network security), human factors (usability, human behaviors, cognitive modelling, human computation), multimedia computing (including multimedia security and forensics, image/video coding, visual quality assessment, information visualization and visual analytics), applications of artificial intelligence and discrete optimization, digital chaos: theory and applications

## Scientometrics

Total citations 6500+ ([Google Scholar](#)), 5100+ ([ResearchGate](#)), 3700+ ([Scopus](#)), 2500+ ([ResearcherID](#))

[ResearcherID](#) [h-index](#) = 26 (self-citations included)

[Scopus](#) [h-index](#) = 31 (self-citations included), [h-index](#) = 31 (self-citations excluded)

[ResearchGate](#) [h-index](#) = 38 (self-citations included), [h-index](#) = 34 (self-citations excluded)

[Google Scholar](#) [h-index](#) = 41 (self-citations included)

## 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, Faculty of Sciences

Name of employer	University of Kent, UK
Dates	April – November 2017
Occupation or position held	Reader (Associate Professor)
Department	Department of Computer Science, Faculty of Engineering and Physical Sciences (FEPS)
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), Faculty of Engineering and Physical Sciences (FEPS)
Name of employer	University of Surrey, UK
Dates	July 2008 – August 2011
Occupation or position held	Zukunftskolleg Research Fellow (5-Year)
Departments	Zukunftskolleg (Institute for Advanced Study) Department of Computer and Information Science, Faculty of Sciences
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, 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, China
Dates	April 2002 – September 2002
Occupation or position held	Intern
Group	Visual Computing Group
Place of work	Microsoft Research Asia, Sigma Center, Zhichun Road 49, Haidian District, Beijing 100080, China
<b>Honors and Awards</b>	
Date	July 2017
Title of honor/award	<b>Best Paper Award</b> (1 out of 46 accepted papers) 5 <sup>th</sup> International Conference on Human Aspects of Information Security, Privacy and Trust (HAS 2017), part of HCI International 2017
Name of awarding organization	HAS 2017 Best Award Committee
Date	November 2012
Title of honor/award	ISO/IEC 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	November 2012

Title of honor/award	<b>Best Paper Award</b> (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	July 2011
Title of honor/award	Quality Reviewer IEEE ICME (International Conference on Multimedia & Expo) 2011
Name of awarding organization	IEEE ICME 2011 Organizing Committee
Date	31 August 2004
Title of honor/award	<b>Outstanding PhD Thesis Award</b> (19 out of ALL PhD theses of students whose PhD degrees were awarded between 1 September 2002 and 25 June 2004)
Title of work	Analyses and New Designs of Digital Chaotic Ciphers
Name of awarding organization	Xi'an Jiaotong University, China
Date	January 2000
Title of honor/award	2 <sup>nd</sup> Award for Improvements in Science and Technology, 5 <sup>th</sup> Awardee
Title of work	RA3900 II DSA (Digital Subtraction Angiography) System
Name of awarding organization	Ministry of Education, China
Note	This work also received awards from People's Government of Shaanxi Province (3 <sup>rd</sup> Award for Improvements in Science and Technology) in 2000, Education Department of Shaanxi Provincial Government, (2 <sup>nd</sup> Award for Improvements in Science and Technology) in 1999 and Xi'an Jiaotong University (1 <sup>st</sup> Award for Improvements in Science and Technology) in 1998.
<b>Research Grants (Ongoing)</b>	
Type	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	Principal Supervisor
Partners	University of Kent, UK (lead partner); Télécom SudParis, Institut Mines-Telecom, France
Duration	01/2019 – 12/2021 (36 months)
Name of funding body	Defence Science and Technology Laboratory (Dstl), UK
Type	Research project
Title of project	PriVELT: PRiVacy-aware personal data management and Value Enhancement for Leisure Travellers
Requested funding	£~1.1m (Kent share £~429k; 80% fEC)
Role	Consortium Lead (overall 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 – 09/2021 (36 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK Research and Innovation (UKRI)
Type	Research project
Title of project	ACCEPT: Addressing Cybersecurity and Cybercrime via a co-Evolutionary aPproach to reducing human-relaTed risks
Requested funding	£880,980 (Surrey share £278,650; 80% fEC)
Role	Consortium Lead (overall PI)
Partners	University of Kent (lead partner), University of Surrey, UCL, University of Warwick, Transport Research Lab Ltd, University of Birmingham, University of Exeter

	<p>9 investigators covering five different subjects: Computer Science, Crime Science, Business, Engineering, Behavioural Science</p> <p>10+ members of Advisory Board from 7 different countries (including UK)</p> <p>10+ stakeholder organisations from different sectors (including UK/EU law enforcement agencies, industrial partners and NGOs)</p>
Duration	04/2017 – 03/2019 (24 months)
Name of funding body	Engineering and Physical Sciences Research Council (EPSRC), UK
Type	Research project
Amount	£9,780 (100% fEC)
Title of project	Quantification of Human Errors in Cyber Security in the Nuclear Sector
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	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) All funding goes to German institutes, with support for travels and research exchanges between Germany and UK
Title of project	<a href="#">SFB/Transregio (transregionalen Sonderforschungsbereiches, Transregional Collaborative Research Center in English) 161 "Quantitative Methods for Visual Computing"</a> Subproject A05 – Image/Video Quality Assessment: From Test Databases to Similarity-Aware and Perceptual Dynamic Metrics
Role	CI
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 – 06/2019 (48 months)
Name of funding body	Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
<b>Research Grants (Completed)</b>	
Type	Impact acceleration project
Amount	PassInfinity: An "All in One" user authentication framework
Title of project	£23,052
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
Amount	£208,100 (80% fEC)
Title of project	COMMANDO-HUMANS: COMputational Modelling and Automatic Non-intrusive Detection Of HUMAN behaviour based iNSecurity
Role	PI
Partners	University of Surrey (lead partner) Singapore Management University (funded by Singapore's NRF separately, funding amount S\$416,021.20)

Duration	Data61, CSIRO (formerly known as NICTA), Australia (unfunded partner) University of Split, Croatia (unfunded partner)
Name of funding body	04/2016 – 04/2018 (25 months) Engineering and Physical Sciences Research Council (EPSRC), UK
Type	Research project
Amount	£192,003 (£128,642 from Innovate UK and £63,361 from Clearswift Ltd)
Title of project	H-DLP: Human-assisted machine learning for bootstrapping DLP (data loss prevention) systems
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
Amount	Workshop on Hybrid Human-Machine Computing: Human Computation, Social Computing and Beyond
Title of project	£3,500
Role	PI
Duration	02/2017 – 10/2017
Name of funding body	Institute for Advanced Studies (IAS), University of Surrey, UK
Type	Impact acceleration project
Amount	Living lab for password research: Impact generation research with IT Services
Title of project	£12,655
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
Amount	£81,966 (80% fEC)
Title of project	<a href="#">Academic Centre of Excellence in Cyber Security Research</a> – University of Surrey
Role	CI
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 body	Government Communications Headquarters (GCHQ), UK Engineering and Physical Sciences Research Council (EPSRC), UK
Type	Research center grant
Amount	£19,942.40 (80% fEC)
Title of project	<a href="#">Academic Centre of Excellence in Cyber Security Research</a> – University of Surrey
Role	CI
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
Amount	Password+
Title of project	£-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
Amount	£19,392 for purchasing a high-end eye-tracker and supporting software
Title of project	Eyes Can Tell: Applications of Eye-tracking Devices in Cyber Security Research
Role	PI
Duration	10/2016 – 03/2017
Name of funding body	Government Communications Headquarters (GCHQ), UK
Type	Research project
Amount	£149,349 (80% fEC; total funding amount £329,453)
Title of project	POLARBEAR – Pattern Of Life ANPR Behaviour Extraction Analysis and Recognition
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
Amount	£74,408
Title of project	A novel scheme for countering unauthorised usage of digital media content (Phase III)
Role	PI
Duration	10/2014 – 03/2015 (6 months)
Name of funding body	Intellectual Property Office (IPO), UK Through Innovate UK – Technology Strategy Board (TSB) SBRI (Small Business Research Initiative) Programme
Type	Research project
Amount	£83,529
Title of project	A novel scheme for countering unauthorised usage of digital media content (Phase II)
Role	PI
Duration	06/2013 – 01/2014 (8 months)
Name of funding body	Intellectual Property Office (IPO), UK Through Innovate UK – Technology Strategy Board (TSB) SBRI (Small Business Research Initiative) Programme
Type	Research project
Amount	£59,672
Title of project	Mobile Magic Mirror (M3): Steganography and Cryptography on the move
Role	PI
Duration	07/2014-11/2014 (~4 months)
Name of funding body	Defence Science and Technology Laboratory (Dstl), Ministry of Defence (MOD), UK Through Innovate UK – Technology Strategy Board (TSB) SBRI (Small Business Research Initiative) Programme
Type	Feasibility Research Project
Amount	£10,561.32
Title of project	Forensic multi-vehicle convoy analysis for investigating organised crimes
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
Amount	£9,499.60
Title of project	Audio-visual cues based attention switching for machine listening
Role	CI
Duration	12/2012 – 12/2013 (~13 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	Conference travel grant
Amount	£1,638
Conference	20 <sup>th</sup> IEEE International Conference on Image Processing (ICIP 2013)
Time	09/2013
Names of funding bodies	Faculty of Engineering and Physical Sciences (FEPS) and Department of Computing, University of Surrey, UK
Type	Research equipment procurement
Amount	£1,739.88
Purpose	X-Rite i1 Publish Pro 2 (Color Spectrometer)
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
Amount	£9,000
Title of project	Dynamical degradation of chaotic systems in digital domain
Role	PI
Partner	University of Surrey (UK partner) Xiangtan University (China partner, funded by the National Natural Science Foundation of China, funding amount 64,800 CNY)
Duration	03/2012 – 03/2014 (24 months)
Name of funding body	The Royal Society, UK
Type	Research project
Amount	£32,511
Title of project	Digital forensics: scenarios and standards
Role	CI
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
Amount	€11,280
Title of project	Video quality assessment
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

Amount	€3,208
Purpose	Promoting cooperation with Dr Marco Mattavelli's group at the EPFL, Switzerland
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
Amount	US\$29,500
Purpose	Vega H.264 Stream Analyzer
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
Amount	€1,344
Purpose	Crossbow IMOTE2 Hardware Buddle / Amontec JTAGkey-Tiny
Date	12/2009
Name of funding body	Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Research project
Amount	€151,276
Title of project	Development of a system for fully digitized performance measurement of video capturing devices
Role	CI
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
Amount	€29,400
Title of project	Secure multimedia computing
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
Amount	€20,387
Conferences	13 <sup>th</sup> ACM Workshop on Multimedia and Security (ACM MM&Sec 2011) 18 <sup>th</sup> IEEE International Conference on Image Processing (ICIP 2011) 95 <sup>th</sup> to 98 <sup>th</sup> MPEG Meetings in 2011 7 <sup>th</sup> Symposium On Usable Privacy and Security (SOUPS 2011) 15 <sup>th</sup> International Conference on Financial Cryptography and Data Security (FC 2011) 2 <sup>nd</sup> International Conference on Trusted Systems (INTRUST 2010) 26 <sup>th</sup> Annual Computer Security Applications Conference (ACSAC 2010) 94 <sup>th</sup> MPEG Meeting (October 2010) 17 <sup>th</sup> IEEE International Conference on Image Processing (ICIP 2010) 35 <sup>th</sup> IEEE International Conference on Communications (ICC 2010) 14 <sup>th</sup> International Conference on Financial Cryptography and Data Security (FC 2010)



Name of funding body	25 <sup>th</sup> Annual Computer Security Applications Conference (ACSAC 2009) 4 <sup>th</sup> APWG eCrime Researchers Summit (eCRS 2009) Zukunftskolleg, Universität Konstanz, Germany Through DFG (Deutsche Forschungsgemeinschaft, German Research Foundation) "Excellence Initiative" Program
Type	Research Fellowship
Title	Zukunftskolleg Fellowship (Junior Group Leader Position)
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	Humboldt Research Fellowship
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
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
<b>Teaching Experience</b>	
Title of course	Computer Security
Terms	2018-2019 (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	Trust, Security and Privacy Management
Terms	2017-2019 (Spring Term)
Reference number	CO834
Language of instruction	English
Responsibility	Module convenor and co-instructor (with 2 other co-instructors)
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	2014–2017 (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
Targeted students	MSc students and visiting UG students
Name of educational organization	Department of Computer Science (formerly known as Department of Computing), University of Surrey, UK
Title of course	Web Publishing and Databases
Terms	2011–2013 (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
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
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
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
<b>PhD Supervision and Examination</b>	
As principal supervisor	<ul style="list-style-type: none"> <li>• Mohamad Imad Mahaini, University of Kent, UK (2018-present)</li> <li>• Saeed Ibrahim Saeed Alqahtani, University of Surrey, UK (2014-present)</li> </ul>

	<ul style="list-style-type: none"> <li>• Nouf Aljaffan, University of Surrey, UK (2013-2017, awarded in 2017)</li> <li>• Junaid Jameel Ahmad, Universität Konstanz, Germany (2009-2012, awarded in 2013)</li> </ul>
As co-supervisor	<ul style="list-style-type: none"> <li>• Franziskus Kiefer, University of Surrey, UK (2013-2016, awarded in 2016)</li> <li>• Craig McDermott, University of Surrey, UK (2015-2017)</li> <li>• Aamo Iorliam, University of Surrey, UK (2015-2016, started in 2013, awarded in 2016)</li> <li>• Areej Alfraih, University of Surrey, UK (2014-2015, started in 2011, awarded in 2015)</li> <li>• Kongfeng Zhu, Universität Konstanz, Germany (2010-2011, stopped being co-supervisor after moving to Surrey in 09/2011, awarded in 2013)</li> <li>• Rajib Ahsan, Universität Konstanz, Germany (2010-2011, moved to industry in 2012 before completion)</li> </ul>
As external examiner	<ul style="list-style-type: none"> <li>• Pin Shen Teh, University of Manchester, UK (2018)</li> <li>• Mazin Al Zaidi, University of Warwick, UK (2018)</li> <li>• Fauzia Idrees, City, University of London (2017)</li> <li>• Wei Zhang, Cardiff University, UK (2017)</li> <li>• Abrar Ullah, University of Hertfordshire, UK (2017)</li> <li>• Saritha Arunkumar, City, University of London, UK (2016)</li> <li>• Jesus Diaz Vico, Universidad Autónoma de Madrid (UAM, Autonomous University of Madrid), Spain (2015)</li> </ul>
As internal examiner (final thesis)	<ul style="list-style-type: none"> <li>• Shahrzad Shapoori, University of Surrey, UK (2016)</li> <li>• Wissam Albukhanajer, University of Surrey, UK (2015)</li> <li>• Qingju Liu, University of Surrey, UK (2013)</li> </ul>
<b>Managerial Roles</b>	
As senior manager	<p>Vice President for Internal Communications &amp; Public Relations, Association of British Chinese Professors (ABCP, 全英华人教授协会): 06/2018-present</p> <p>Director, Kent Interdisciplinary Research Centre in Cyber Security (KirCCS), University of Kent: 11/2017-present</p> <p>Deputy Director, Surrey Centre for Cyber Security (SCCS), University of Surrey: 07/2014-10/2017</p> <p>Director of PGR (PhD) Studies, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey: 12/2014-10/201</p>
As coordinator	<p>Website Coordinator, Surrey-China Academics Network (SCAN), 06/2016-10/2017</p> <p>Website and Mailing Lists Coordinator, Surrey Centre for Cyber Security (SCCS), University of Surrey: 07/2014-10/2017</p> <p>Website Coordinator, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey: 09/2011-10/2017</p> <p>PhD Admissions Tutor, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey: 12/2014-10/2017</p> <p>MSc Admissions Tutor, Department of Computing, University of Surrey: 05/2012-09/2013</p> <p>Departmental Seminar Series Organiser, Department of Computing, University of Surrey: 09/2011-03/2012</p>
As member	<p>Member, Management Committee, Surrey-China Academics Network (SCAN), University of Surrey: 06/2016-10/2017</p> <p>Member, University Ethics Committee, University of Surrey: 05/2015-10/2017</p> <p>Member, Law Enforcement, Defence and Security (LEDS) Network, University of Surrey: 07/2012-10/2017</p> <p>Member, Faculty IT Governance Group, Faculty of Engineering and Physical Sciences (FEPS), University of Surrey: 02/2014-10/2017</p> <p>Member, Research Management Committee, Department of Computer Science (known as Department of Computing before 08/2015), University of Surrey: 12/2014-10/2017</p> <p>Member, Policy and Strategy Committee, Department of Computing, University of Surrey: 12/2014-06/2015</p> <p>Member, MSc Teaching Management Committee, Department of Computing, University of Surrey: 06/2013-06/2015</p>
<b>Professional Activities</b>	
Scientific journal: As editorial board member	<ul style="list-style-type: none"> <li>• <a href="#">EAI Endorsed Transactions on Security and Safety</a> (Area Editor, 2017-present)</li> <li>• <a href="#">Journal of Cyber Security and Mobility</a> (Editorial Board Member, 2016-present)</li> </ul>

- [Journal of Visual Communication and Image Representation](#) (Editorial Board Member, 2012-present)
- [Journal of Information Security and Applications](#) (formerly known as [Information Security Technical Report](#) before May 2013, Editorial Board Member, 2012- present)
- [Heliyon](#) (Editorial Board Member, 2015-2018)
- [International Journal of Bifurcation and Chaos](#) (Associate Editor, 2012-2014; Guest Associate Editor, 2010-2011)

Scientific journal:  
As special issue guest editor

- Currently editing 2 other journal special issues.
- Anderson Rocha, **Shujun Li**, C.-C. Jay Kuo, Alessandro Piva and Jiwu Huang, [Journal of Visual Communication and Image Representation, Special Section on Data-driven Multimedia Forensics and Security](#), 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, [Security and Communication Networks, Special Issue on User Authentication in the IoE Era: Attacks, Challenges, Evaluation, and New Designs](#), 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, [Journal of Information Security and Applications, Special Section on Threat Detection, Analysis & Defense](#), vol. 19, no. 3, pp. 163-244, July 2014
- **Shujun Li** and Edgar Weippl, [Information Security Technical Report](#) (renamed to [Journal of Information Security and Applications](#) in May 2013), [Special Issue: ARES 2012 7th International Conference on Availability, Reliability and Security](#), vol. 17, no. 4, pp. 129-252, May 2013

Research grants/Awards:  
As evaluator

- Engineering and Physical Sciences Research Council (EPSRC), UK
  - Member of EPSRC Peer Review College (June 2017 – present)
  - Member of EPSRC Associate Peer Review College (October 2016 – June 2017)
- FRIAS COFUND Fellowship Programme (FCFP) Fellowships 2019/20, Freiburg Institute for Advanced Studies (FRIAS), University of Freiburg, Germany
- CPHC-BCS Distinguished Dissertation in Computer Science 2018, CPHC and BCS, UK
- Swiss National Science Foundation (SNSF)
- Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO), Belgium
- Schweizerischen Akademie der Technischen Wissenschaften (SATW, Swiss Academy of Engineering Sciences): ["PHC Germaine de Staël" research funding programme](#)
- Independent Research Start-up Grant (IRSG), Zukunftskolleg, University of Konstanz, Germany
- 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

- **ARES 2019** (15<sup>th</sup> International Conference on Availability, Reliability and Security): General Chair
- **MPS 2018** (2<sup>nd</sup> International Workshop on Multimedia Privacy and Security) @ **ACM CCS 2018**: General Co-Chair
- **CyberSciTech 2018** (3<sup>rd</sup> 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 2017) @ **IEEE CYBCONF 2017** (3<sup>rd</sup> IEEE International Conference on Cybernetics): General Chair and TPC Co-Chair
- **PRACTICE 2017** (Workshop on PRACTical Applications of Cognitive Computing in Emerging topics 2017) @ **IEEE CYBCONF 2017** (3<sup>rd</sup> IEEE International Conference on Cybernetics): General Chair and TPC Co-Chair

Scientific conferences and workshops:  
As special session (co-)organizer

- **IEEE SMC 2017** (IEEE International Conference on Systems, Man, and Cybernetics)

Scientific conferences and workshops:  
As organizing committee member

- **IEEE ICASSP 2019** (44<sup>th</sup> IEEE International Conference on Acoustic, Speech, and Signal Processing): Publicity Co-Chair
- **ICICS 2018** (20<sup>th</sup> International Conference on Information and Communications Security): Publicity Co-Chair
- **APSIPA ASC 2017** (9<sup>th</sup> Asia-Pacific Signal and Information Processing Association Annual Summit and Conference): European Liaison
- **ACNS 2016** (14<sup>th</sup> International Conference on Applied Cryptography and Network Security): Publicity Chair

- **CCSNA 2015** (3<sup>rd</sup> Workshop on Cloud Computing Systems, Networks, and Applications), organized in conjunction with **IEEE ICC 2015** (40<sup>th</sup> IEEE International Conference on Communications): Publicity Co-Chair
- **MLSP 2013** (23<sup>rd</sup> IEEE International Workshop on Machine Learning for Signal Processing): Local Arrangement Co-Chair
- **UKCI 2013** (13<sup>th</sup> Annual UK Workshop on Computational Intelligence): Publicity Co-Chair
- **INTRUST 2010** (2<sup>nd</sup> International Conference on Trusted Systems): Chair of Session "Mobile Trusted Systems", 14:00 – 15:30, 14 December 2010

Scientific conferences and workshops:  
As TPC member

1. **CHI 2019** (ACM CHI Conference on Human Factors in Computing Systems): Workshop PC
2. **ACNS 2019** (17<sup>th</sup> International Conference on Applied Cryptography and Network Security)
3. **IFIPTM 2019** (13<sup>th</sup> IFIP WG 11.11 International Conference on Trust Management)
4. **IEEE ICASSP 2019** (44<sup>th</sup> IEEE International Conference on Acoustic, Speech, and Signal Processing)
5. **ICME 2019** (20<sup>th</sup> IEEE International Conference on Multimedia & Expo)
6. **ICISSP 2019** (5<sup>th</sup> International Conference on Information Systems Security and Privacy)
7. **ITNG 2019** (16<sup>th</sup> International Conference on Information Technology: New Generations): **10<sup>th</sup> International Symposium on Cybersecurity** as a special track
8. **MPS 2018** (2<sup>nd</sup> International Workshop on Multimedia Privacy and Security) @ **ACM CCS 2018**
9. **STAST 2018** (8<sup>th</sup> International Workshop on Socio-Technical Aspects in Security and Trust) @ **ACSAC 2018** (34<sup>th</sup> Annual Computer Security Applications Conference)
10. **ARES 2018** (13<sup>th</sup> International Conference on Availability, Reliability and Security)
11. **CUING 2018** (2<sup>nd</sup> International Workshop on Criminal Use of Information Hiding) @ **ARES 2018**
12. **ISC 2018** (21<sup>st</sup> Information Security Conference)
13. **ICICS 2018** (20<sup>th</sup> International Conference on Information and Communications Security)
14. **ISPEC 2018** (14<sup>th</sup> International Conference on Information Security Practice and Experience)
15. **HAISA 2018** (12<sup>th</sup> International Symposium on Human Aspects of Information Security & Assurance)
16. **FCS 2018** (1<sup>st</sup> International Conference on Frontiers in Cyber Security)
17. **AISB18-CyberSecurity** (Symposium on Digital Behaviour Intervention for Cyber Security) @ AISB (Society for the Study of Artificial Intelligence and Simulation for Behaviour) Convention 2018
18. **ITNG 2018** (15<sup>th</sup> International Conference on Information Technology: New Generations): **9<sup>th</sup> International Symposium on Cybersecurity** as a special track
19. **ICISSP 2018** (4<sup>th</sup> International Conference on Information Systems Security and Privacy)
20. **ICC 2018** (43<sup>rd</sup> IEEE International Conference on Communications)
21. **GLOBECOM 2018** (61<sup>st</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
22. **ICASSP 2018** (43<sup>rd</sup> IEEE International Conference on Acoustic, Speech, and Signal Processing)
23. **ICIP 2018** (25<sup>th</sup> IEEE International Conference on Image Processing)
24. **ICME 2018** (19<sup>th</sup> IEEE International Conference on Multimedia & Expo)
25. **ICCCN 2018** (27<sup>th</sup> International Conference on Computer Communications and Networks)
26. **MLSP 2018** (28<sup>th</sup> IEEE International Workshop on Machine Learning for Signal Processing)
27. **ISCC 2018** (23<sup>rd</sup> IEEE Symposium on Computers and Communications)
28. **IOV 2018** (5<sup>th</sup> International Conference on Internet of Vehicles)
29. **ACISP 2017** (22<sup>nd</sup> Australasian Conference on Information Security and Privacy)
30. **ARES 2017** (12<sup>th</sup> International Conference on Availability, Reliability and Security)
31. **HAISA 2017** (11<sup>th</sup> International Symposium on Human Aspects of Information Security & Assurance)
32. **ITNG 2017** (14<sup>th</sup> International Conference on Information Technology: New Generations): **8<sup>th</sup> International Symposium on Cybersecurity** as a special track
33. **CUING 2017** (1<sup>st</sup> International Workshop on Criminal Use of Information Hiding) @ **ARES 2017**
34. **CCSTIM 2017** (International Workshop on Cloud Computing Security: Threats, Intelligence, and Mitigation) @ **UCC 2017** (10<sup>th</sup> IEEE/ACM International Conference on Utility and Cloud Computing)
35. **ICC 2017** (42<sup>nd</sup> IEEE International Conference on Communications)
36. **GLOBECOM 2017** (60<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
37. **ICISSP 2017** (3<sup>rd</sup> International Conference on Information Systems Security and Privacy)
38. **ICIP 2017** (24<sup>th</sup> IEEE International Conference on Image Processing)
39. **ICME 2017** (18<sup>th</sup> IEEE International Conference on Multimedia & Expo)
40. **IEEE SMC 2017** (IEEE International Conference on Systems, Man, and Cybernetics)
41. **DSP 2017** (22<sup>nd</sup> International Conference on Digital Signal Processing)
42. **EuCNC 2017** (26<sup>th</sup> European Conference on Networks and Communications)
43. **ISCC 2017** (22<sup>nd</sup> IEEE Symposium on Computers and Communications)
44. **MF 2017** (Workshop on Applications of Computer Vision and Patter Recognition to Media Forensics) @ **CVPR 2017** (30<sup>th</sup> IEEE Conference on Computer Vision and Pattern Recognition)

45. **ARES 2016** (11<sup>th</sup> International Conference on Availability, Reliability and Security)
46. **AuthTech 2016** (1<sup>st</sup> International Workshop on Authentication Techniques) @ **ASIACCS 2016** (11<sup>th</sup> ACM Symposium on InformAtion, Computer and Communications Security)
47. **ICC 2016** (41<sup>st</sup> IEEE International Conference on Communications)
48. **GLOBECOM 2016** (59<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
49. **ICIP 2016** (23<sup>rd</sup> IEEE International Conference on Image Processing)
50. **ICME 2016** (17<sup>th</sup> IEEE International Conference on Multimedia & Expo)
51. **ICASSP 2016** (41<sup>st</sup> IEEE International Conference on Acoustics, Speech and Signal Processing)
52. **EuCNC 2016** (25<sup>th</sup> European Conference on Networks and Communications)
53. **ISC2 2016** (2<sup>nd</sup> IEEE International Smart Cities Conference)
54. **IOV 2016** (3<sup>rd</sup> International Conference on Internet of Vehicles)
55. **WISARC 2016** (2<sup>nd</sup> International Workshop on Information Security, Assurance and Reliability in the Cloud) @ **UCC 2016** (9<sup>th</sup> IEEE/ACM International Conference on Utility and Cloud Computing)
56. **CCSNA 2016** (5<sup>th</sup> Workshop on Cloud Computing Systems, Networks, and Applications) @ **ICC 2016** (41<sup>st</sup> IEEE International Conference on Communications)
57. **IOV 2015** (2<sup>nd</sup> International Conference on Internet of Vehicles)
58. **GlobalSIP 2015** (3<sup>rd</sup> IEEE Global Conference on Signal and Information Processing)
59. **GLOBECOM 2015** (58<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
60. **MMSp 2015** (17<sup>th</sup> IEEE International Workshop on Multimedia Signal Processing)
61. **ICIP 2015** (22<sup>nd</sup> IEEE International Conference on Image Processing)
62. **DASIP 2015** (9<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
63. **BiFor 2015** (International Workshop on Recent Advances in Digital Security: Biometrics and Forensics) @ **ICIAP 2015** (18<sup>th</sup> International Conference on Image Analysis and Processing)
64. **ARES 2015** (10<sup>th</sup> International Conference on Availability, Reliability and Security)
65. **ICNC/FSKD 2015** (11<sup>th</sup> International Conference on Natural Computation / 12<sup>th</sup> International Conference on Fuzzy Systems and Knowledge Discovery)
66. **ICME 2015** (16<sup>th</sup> IEEE International Conference on Multimedia & Expo)
67. **EuCNC 2015** (24<sup>th</sup> European Conference on Networks and Communications)
68. **ICC 2015** (40<sup>th</sup> IEEE International Conference on Communications)
69. **INTRUST 2014** (6<sup>th</sup> International Conference on Trustworthy Systems)
70. **GLOBECOM 2014** (57<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
71. **ICCVE 2014** (3<sup>rd</sup> International Conference on Connected Vehicles & Expo)
72. **ICIP 2014** (21<sup>st</sup> IEEE International Conference on Image Processing)
73. **DASIP 2014** (8<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
74. **ARES 2014** (9<sup>th</sup> International Conference on Availability, Reliability and Security)
75. **IOV 2014** (1<sup>st</sup> International Conference on Internet of Vehicles)
76. **ICME 2014** (15<sup>th</sup> IEEE International Conference on Multimedia & Expo)
77. **ISCAS 2014** (47<sup>th</sup> IEEE International Symposium on Circuits and Systems)
78. **GLOBECOM 2013** (56<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
79. **ICCVE 2013** (2<sup>nd</sup> International Conference on Connected Vehicles & Expo)
80. **DASIP 2013** (7<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
81. **ARES 2013** (8<sup>th</sup> International Conference on Availability, Reliability and Security)
82. **ICME 2013** (14<sup>th</sup> IEEE International Conference on Multimedia & Expo)
83. **ICC 2013** (38<sup>th</sup> IEEE International Conference on Communications)
84. **IWCC 2013** (2<sup>nd</sup> International Workshop on Cyber Crime) @ **IEEE S&P 2013** (34<sup>th</sup> IEEE Symposium on Security and Privacy)
85. **INTRUST 2012** (4<sup>th</sup> International Conference on Trusted Systems)
86. **GLOBECOM 2012** (55<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
87. **DASIP 2012** (6<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)
88. **ARES 2012** (7<sup>th</sup> International Conference on Availability, Reliability and Security)
89. **ICME 2012** (13<sup>th</sup> IEEE International Conference on Multimedia & Expo)
90. **ICC 2012** (37<sup>th</sup> IEEE International Conference on Communications)
91. **ISCAS 2012** (45<sup>th</sup> IEEE International Symposium on Circuits and Systems)
92. **ICNC 2012** (2012 International Conference on Computing, Networking and Communications)
93. **GLOBECOM 2011** (54<sup>th</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
94. **INTRUST 2011** (3<sup>rd</sup> International Conference on Trusted Systems)
95. **DASIP 2011** (5<sup>th</sup> Conference on Design and Architectures for Signal and Image Processing)

96. **SafeConfig 2011** (4<sup>th</sup> Symposium on Configuration Analytics and Automation)
97. **ICME 2011** (12<sup>th</sup> IEEE International Conference on Multimedia & Expo)
98. **ICC 2011** (36<sup>th</sup> IEEE International Conference on Communications)
99. **GLOBECOM 2010** (53<sup>rd</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
100. **APWCCS 2010** (5<sup>th</sup> Asia-Pacific Workshop on Chaos Control and Synchronization): International Program Committee (IPC) Member
101. **ICME 2010** (17<sup>th</sup> IEEE International Conference on Multimedia & Expo)
102. **ICCCAS 2009** (7<sup>th</sup> International Conference on Communication, Circuits and Systems)
103. **ICCCAS 2006** (4<sup>th</sup> International Conference on Communications, Circuits and Systems)

As invited speaker and panelist

1. **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
2. **Socio-technical Aspects of Privacy Protection**, keynote speech at PST 2018 (16<sup>th</sup> Annual Conference on Privacy, Security and Trust), Belfast, Northern Ireland, UK, 28-30 August 2018
3. **Socio-technical Aspects of Privacy Protection**, keynote speech at PriCom 2018 (4<sup>th</sup> International Symposium on Privacy Computing), Boppard, Germany, 6-8 August 2018
4. **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
5. **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
6. **Hybrid Human-Machine Computing: a new paradigm of computing?** invited OpenTech talk at Clearswift Ltd, UK, 23 January 2018
7. **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
8. **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
9. **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
10. **A new paradigm of information hiding? Hiding in activities of the cyber-physical-social world**, invited keynote talk at CUIING 2017 (1<sup>st</sup> International Workshop on Criminal Use of Information Hiding), an associated workshop of ARES 2017 (12th International ARES Conference on Availability, Reliability and Security), 29 August – 1 September 2017 (to take place)
11. **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
12. **Pass<sup>∞</sup> (PassInfinity): A new "all in one" multi-factor user authentication framework**, invited talk at the 2017 June quarterly meeting of HESCA (Higher Education Smart Campus Association), 6 June 2017
13. **Observer-Resistant Password Systems: How hard to make them both usable and secure?**, invited talk at the 2<sup>nd</sup> Annual Bath PGR Conference on Computer Science (BCCS 2017), University of Bath, UK, 31 May 2017
14. **Observer-Resistant Password Systems: How hard to make them both usable and secure?**, invited talk at the Institute for Infocomm Research (I<sup>2</sup>R), Agency for Science, Technology and Research (A\*STAR), Singapore, 28 April 2017
15. **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
16. **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
17. **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



18. **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
19. **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
20. **Observer-Resistant Password Systems (ORPSs): Usability vs. Security**, invited talk at the Interaction Design Centre (IDC) Seminar Series, Middlesex University, UK, 4 August 2015
21. **Digital and Multimedia Forensics**, invited talk at the Wellcome Forensic Evening, Wellcome Collection, 183 Euston Road, London NW1 2BE, UK, 10 June 2015
22. **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
23. **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
24. **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
25. **Usable Security: When Security Meets Usability**, invited talk at College of Information Engineering, Xiangtan University, Hunan, China, 5 September 2013
26. **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
27. **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** (2<sup>nd</sup> International Conference on Trusted Systems), Beijing, China, 13-15 December 2010
28. **New Directions in Multimedia Encryption**, invited talk at the ESAT-COSIC, KU Leuven, Belgium, 12 May 2010
29. **Usable Security: Making Passwords Usable**, invited talk at the Security Day of the Stuttgart Media University, Germany, 10 June 2009
30. **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
31. **Analog Chaos-Based Secure Communications**, invited talk at the College of Information Technology, Shenzhen University, Shenzhen, China, 11 November 2005
32. **Chaotic Cryptography**, two invited talks at the Department of Physics, Beijing Normal University, Beijing, China, 13-14 January 2005

Services for government

- 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

Services for higher education sector

- External Examiner of Advanced MSc Computer Science Programmes, Birkbeck College, University of London, since 2016/17 academic year
- External Member of Validation Panel of MSc Cyber Security Programme, University of the West England, Bristol, UK, November 2017

As reviewer:  
IEEE and ACM journals

- *IEEE Transactions on Audio, Speech and Language Processing*
- *IEEE Transactions on Biomedical Circuits and Systems*
- *IEEE Transactions on Circuits and Systems-I: Regular Papers*
- *IEEE Transactions on Circuits and Systems-II: Express Briefs*
- *IEEE Transactions on Circuits and Systems for Video Technology*
- *IEEE Transactions on Cloud Computing*
- *IEEE Transactions on Computational Social Systems*
- *IEEE Transactions on Dependable and Secure Computing*
- *IEEE Transactions on Image Processing*
- *IEEE Transactions on Industrial Electronics*



- *IEEE Transactions on Information Forensics and Security*
- *IEEE Transactions on Medical Imaging*
- *IEEE Transactions on Mobile Computing*
- *IEEE Transactions on Multimedia*
- *IEEE Transactions on Neural Networks*
- *IEEE Transactions on Signal Processing*
- *IEEE Internet of Things Journal*
- *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*
- *IEEE Journal on Selected Areas in Communications*
- *IEEE Journal on Selected Topics in Signal Processing*
- *IEEE Security & Privacy Magazine*
- *IEEE Signal Processing Magazine*
- *IEEE Systems Journal*
- *IEEE Communications Letters*
- *IEEE Signal Processing Letters*
- *IEEE Computational Intelligence Magazine*
- *IEEE Systems, Man, and Cybernetics Magazine*
- *IEEE Access*
- *ACM Transactions on Information and System Security*
- *ACM Transactions on Multimedia Computing Communications and Applications*

As reviewer:  
Security-related journals

- *EURASIP Journal on Information Security*
- *IET Information Security*
- *Computers & Security*
- *International Journal of Information Security*
- *EAI Endorsed Transactions on Security and Safety*
- *Journal of Information Security and Applications*
- *Information Security Technical Report*
- *Journal of Cryptographical Engineering*
- *Security and Communication Networks*
- *Journal of Cyber Security and Mobility*
- *Information Security Journal: A Global Perspective*
- *International Journal of Information and Computer Security*
- *Cryptologia*

As reviewer:  
Multimedia/HCI-related journals

- *International Journal of Human-Computer Studies*
- *Multimedia Systems*
- *Multimedia Tools and Applications*
- *Signal Processing*
- *Signal Processing: Image Communication*
- *Image and Vision Computing*
- *Digital Signal Processing*
- *IEE Proceedings - Vision, Image & Signal Processing*
- *IET Image Processing*
- *Journal of Electronic Imaging*
- *Journal of Visual Communication and Image Representation*
- *EURASIP Journal on Advances in Signal Processing (EURASIP Journal on Applied Signal Processing before 2008)*
- *EURASIP Journal of Image and Video Processing*
- *Journal of Imaging Science & Technology*
- *International Journal of Imaging Systems and Technology*
- *Journal of Mathematical Imaging and Vision*
- *Circuits, Systems & Signal Processing*
- *International Journal of Image and Video Processing*
- *International Journal of Image and Graphics*
- *Journal of Multimedia*
- *Inverse Problems and Imaging*
- *Neural Computing and Applications*
- *Neurocomputing*
- *Universal Access in the Information Society*
- *Mobile Information Systems*

<p>As reviewer: Chaos/Physics-related journals</p>	<ul style="list-style-type: none"> <li>• <i>Chaos: An Interdisciplinary Journal of Nonlinear Science</i></li> <li>• <i>International Journal of Bifurcation and Chaos</i></li> <li>• <i>Physics Letters A</i></li> <li>• <i>Physica A</i></li> <li>• <i>Complexity</i></li> <li>• <i>International Journal of Modern Physics C</i></li> <li>• <i>Modern Physics Letters B</i></li> <li>• <i>Nonlinear Dynamics</i></li> <li>• <i>Physica Scripta</i></li> <li>• <i>Communications in Nonlinear Science and Numerical Simulation</i></li> <li>• <i>Dynamics of Continuous, Discrete &amp; Impulsive Systems Series B: Applications &amp; Algorithms</i></li> <li>• <i>Chinese Physics B</i></li> </ul>
<p>As reviewer: Other international journals</p>	<ul style="list-style-type: none"> <li>• <i>Nature Magazine</i></li> <li>• <i>SpringerPlus</i></li> <li>• <i>The Computer Journal</i></li> <li>• <i>Information Science</i></li> <li>• <i>Journal of Software and Systems</i></li> <li>• <i>Information Fusion</i></li> <li>• <i>Theoretical Computer Science</i></li> <li>• <i>Knowledge and Information Systems</i></li> <li>• <i>Computer Communications</i></li> <li>• <i>Computers and Mathematics with Applications</i></li> <li>• <i>Wireless Networks</i></li> <li>• <i>Journal of Parallel and Distributed Computing</i></li> <li>• <i>Optical Engineering</i></li> <li>• <i>Optical Communications</i></li> <li>• <i>Speech Communications</i></li> <li>• <i>Telecommunication Systems: Modelling, Analysis, Design and Management</i></li> <li>• <i>Journal of Ambient Intelligence and Humanized Computing</i></li> <li>• <i>Journal of Optics</i></li> <li>• <i>Optica Applicata</i></li> <li>• <i>Journal of Biomedical Informatics</i></li> <li>• <i>International Journal of Computational Intelligence Research</i></li> <li>• <i>International Journal of Computational Intelligence Systems</i></li> <li>• <i>Mathematical Problems in Engineering</i></li> </ul>
<p>As reviewer: National journals (published in English)</p>	<ul style="list-style-type: none"> <li>• <i>Chinese Science Bulletin</i></li> <li>• <i>ETRI Journal</i> (South Korea)</li> <li>• <i>IEEJ Transactions on Electrical and Electronic Engineering</i> (Japan)</li> <li>• <i>Journal of Electronics</i> (China)</li> <li>• <i>Journal of Computer Science and Technology</i> (China)</li> <li>• <i>Tsinghua Science and Technology</i> (China)</li> <li>• <i>Journal of Zhejiang University SCIENCE A</i> (China)</li> <li>• <i>Annals of the Brazilian Academy of Sciences</i></li> <li>• <i>Journal of the Brazilian Computer Society</i> (Brazil)</li> <li>• <i>Iranian Journal of Electrical and Computer Engineering</i> (Iran)</li> </ul>
<p>As reviewer: Chinese journals</p>	<ul style="list-style-type: none"> <li>• 《电子学报》 / <i>Acta Electronica Sinica</i></li> <li>• 《电子与信息学报》 / <i>Journal of Electronics and Information Technology</i></li> </ul>
<p>As reviewer: International conferences and workshops</p>	<ul style="list-style-type: none"> <li>• VOTING 2019 (4<sup>th</sup> Workshop on Advances in Secure Electronic Voting) @ FC 2019</li> <li>• ESORICS 2018 (23<sup>rd</sup> European Symposium on Research in Computer Security)</li> <li>• SMC 2018 (2018 IEEE International Conference on Systems, Man, and Cybernetics)</li> <li>• ICII 2018 (1<sup>st</sup> IEEE International Conference on Industrial Internet)</li> <li>• CHI 2017 (35<sup>th</sup> Annual ACM CHI Conference on Human Factors in Computing Systems)</li> <li>• WIFS 2015 (7<sup>th</sup> IEEE International Workshop on Information Forensics and Security)</li> <li>• CCS 2015 (22<sup>nd</sup> ACM Conference on Computer and Communications Security)</li> <li>• FC 2015 (19<sup>th</sup> International Conference on Financial Cryptography and Data Security)</li> <li>• GlobalSIP 2014 (2<sup>nd</sup> IEEE Global Conference on Signal and Information Processing)</li> <li>• NSS 2014 (8<sup>th</sup> International Conference on Network and System Security)</li> </ul>

- MMSP 2014 (16<sup>th</sup> International Workshop on Multimedia Signal Processing)
- ISPEC 2014 (10<sup>th</sup> International Conference on Information Security Practice and Experience)
- WIFS 2013 (5<sup>th</sup> IEEE International Workshop on Information Forensics and Security)
- MMSP 2013 (15<sup>th</sup> International Workshop on Multimedia Signal Processing)
- ICIP 2013 (20<sup>th</sup> IEEE International Conference on Image Processing)
- IWDW 2012 (11<sup>th</sup> International Workshop on Digital-forensics and Watermarking)
- WIFS 2012 (4<sup>th</sup> IEEE International Workshop on Information Forensics and Security)
- IH 2012 (14<sup>th</sup> Information Hiding Conference)
- IEEE S&P 2012 (33<sup>rd</sup> IEEE Symposium on Security and Privacy)
- ICISC 2011 (14<sup>th</sup> Annual International Conference on Information Security and Cryptology)
- INDS 2011 (3<sup>rd</sup> International Workshop on Nonlinear Dynamics and Synchronization) + ISTET 2011 (16<sup>th</sup> International Symposium on Theoretical Electrical Engineering)
- MQoE 2011 (IEEE Workshop on Multimedia Quality of Experience) @ ISM 2011 (IEEE International Symposium on Multimedia)
- CCS 2011 (18<sup>th</sup> ACM Conference on Computer and Communications Security)
- CHI 2011 (29<sup>th</sup> ACM CHI Conference on Human Factors in Computing Systems)
- ICME 2011 (18<sup>th</sup> IEEE International Conference on Multimedia & Expo)
- WIFS 2011 (3<sup>rd</sup> IEEE Workshop on Information Forensics and Security)
- ICC 2011 (36<sup>th</sup> IEEE International Conference on Communications)
- GLOBECOM 2010 (53<sup>rd</sup> IEEE Global Communications Conference, Exhibition and Industry Forum)
- ICME 2010 (17<sup>th</sup> IEEE International Conference on Multimedia & Expo)
- ISCAS 2010 (43<sup>rd</sup> IEEE International Symposium on Circuits and Systems)
- NOLTA 2010 (20<sup>th</sup> International Symposium on Nonlinear Theory and its Applications)
- ICCAS 2010 (8<sup>th</sup> International Conference on Communications, Circuits and Systems)
- ISCAS 2009 (42<sup>nd</sup> IEEE International Symposium on Circuits and Systems)
- EUSIPCO 2009 (17<sup>th</sup> European Signal Processing Conference)
- ACIVS 2009 (11<sup>th</sup> Conference on Advanced Concepts for Intelligent Vision Systems)
- ICCAS 2009 (7<sup>th</sup> International Conference on Communications, Circuits and Systems)
- SSD 2009 (6<sup>th</sup> International Multi-Conference on Systems, Signals and Devices)
- IWDW 2008 (7<sup>th</sup> International Workshop on Digital Watermarking)
- ICC 2008 (33<sup>rd</sup> International Conference on Communications)
- ISCAS 2008 (41<sup>st</sup> IEEE International Symposium on Circuits and Systems)
- ISCAS 2007 (40<sup>th</sup> IEEE International Symposium on Circuits and Systems)
- EUSIPCO 2007 (15<sup>th</sup> European Signal Processing Conference)
- Sarnoff 2007 (30<sup>th</sup> IEEE Sarnoff Symposium)
- ECCTD 2007 (18<sup>th</sup> European Conference on Circuit Theory and Design)
- NTMS 2007 (1<sup>st</sup> International Conference on New Technologies, Mobility and Security)
- ICIAS 2007 (International Conference on Intelligent & Advanced Systems)
- ISCAS 2006 (39<sup>th</sup> IEEE International Symposium on Circuits and Systems)
- ICCAS 2006 (4<sup>th</sup> International Conference on Communications, Circuits and Systems)
- CNCC 2003 (1<sup>st</sup> China National Computer Conference, 第一届中国计算机大会)

### Professional Memberships

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	2018 – present
Title of membership	Member
Name of organization	CPHC (Council of Professors and Heads of Computing), UK

Dates	2017 – present
Title of membership	Member

Name of organization	EPC (Engineering Professors' Council), UK
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	<a href="#">Criminal Use of Information Hiding (CUIng) Initiative</a> , 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	2013 – present
Title of membership	Global Member
Name of organization	Internet Society (ISOC)
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: SIGSAC (2009-); SIGMM (2009-); SIGCOMM (2009-); SIGCHI (2009-2014/2017-); SIGCAS (2017-)
Dates	2008 – present
Title of membership	Member (2008-2012), Senior Member (2012-present)
Name of organization	IEEE: Computer Society (2008-); Communications Society (2008-); Signal Processing Society (2008-); Circuits and Systems Society (2008-); Consumer Electronics Society (2008-); Systems, Man and Cybernetics Society (2016-); Society on Social Implications of Technology (2017-)
Dates	2009 – 2011
Title of membership	Editor / Contributor / Delegate to MPEG Meetings
Name of organization	ISO/IEC JCT1/SG29/WG11 (MPEG)
<b>Annexes</b>	<p>Selected Publications</p> <p>All Publications</p> <p>Scientific Software</p>

Selected Publications

1. Chengqing Li\*, Bingbing Feng, Shujun Li, Jürgen Kurths and Guanrong Chen, "Dynamic Analysis of Digital Chaotic Maps via State-Mapping Networks," accepted to [IEEE Transactions on Circuits and Systems I: Regular Papers](#) in December 2018
2. 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](#), vol. 80, pp. 90-107, Elsevier, 2018
3. Shujun Li\*, Anthony T.S. Ho, Zichi Wang and Xinpeng Zhang, "Lost in the Digital Wild: Hiding Information in Digital Activities," in *Proceedings of 2nd International Workshop on Multimedia Privacy and Security (MPS 2018, co-location with ACM CCS 2018)*, ACM, 2018 (acceptance rate of full papers: 6/18=33%)
4. 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*, vol. 10292, pp. 251-264, 2017, Springer (**HAS 2017 Best Paper Award, 1 out of 46 papers ≈ 2.2%**)
5. 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*, vol. 10292, pp. 191-211, 2017, Springer
6. 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," 8th International Conference on Quality of Multimedia Experience (QoMEX 2016), short paper (an extended long journal paper is being prepared)
7. 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
8. 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](#), vol. 10, no. 8, pp. 1643-1655, IEEE, 2015
9. Mario Čagalja\*, Toni Perković\*, Marin Bugarić and Shujun Li, "Fortune cookies and smartphones: Weakly unrelayed channels to counter relay attacks," [Pervasive and Mobile Computing](#), vol. 20, pp. 64-81, Elsevier, 2015
10. 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](#), vol. 29, no. 7, pp. 773-787, Elsevier, 2014
11. 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 20th Annual Network & Distributed System Security Symposium (NDSS 2013)*, February 24-27, 2013, San Diego, CA, USA, Internet Society, 2013 (**Acceptance rate: 47/250=18.8%**)
12. Junaid Jameel Ahmad\*, Shujun Li\*, Richard Thavot and Marco Mattavelli, "Secure Computing with the MPEG RVC Framework," [Signal Processing: Image Communication](#), vol. 28, no. 10 (special issue on Recent Advances on MPEG Codec Configuration Framework), pp. 1315-1334, Elsevier, 2013
13. Hassan Jammel Asghar\*, Shujun Li\*, Josef Pieprzyk and Huaxiong Wang, "Cryptanalysis of the Convex Hull Click Human Identification Protocol," [International Journal of Information Security](#), vol. 12, no. 2, pp. 83-96, Springer, 2013
14. Junaid Jameel Ahmad\*, Shujun Li\*, Ahmad-Reza Sadeghi and Thomas Schneider, "CTL: A Platform-Independent Crypto Tools Library Based on Dataflow Programming Paradigm," in *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*, vol. 7397, pp. 299-313, Springer, 2012 (Acceptance rate of long papers: 23/88=26.1%)
15. Toni Perković\*, Asma Mumtaz, Yousra Javed, Shujun Li\*, Syed Ali Khayam and Mario Čagalj, "Breaking Undercover: Exploiting Design Flaws and Nonuniform Human Behavior," in

	<p><i>Proceedings of 7th Symposium On Usable Privacy and Security (SOUPS 2011, Pittsburgh, PA, USA, July 20-22, 2011)</i>, ACM, 2011 (Acceptance rate: 15/45=33.3%)</p> <ol style="list-style-type: none"> <li>16. 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>, vol. 7035, pp. 235-249, Springer, 2012 (Acceptance rate of long papers: 15/74=20.3%)</li> <li>17. Shujun Li*, Andreas Karrenbauer, Dietmar Saupe and C.-C. Jay Kuo, "Recovering Missing Coefficients in DCT-Transformed Images," in <i>Proceedings of 2011 18th IEEE International Conference on Image Processing (ICIP 2011, Brussels, Belgium, September 11-14, 2011)</i>, pp. 1537-1540, IEEE, 2011</li> <li>18. 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 26th Annual Computer Security Applications Conference (ACSAC 2010)</i>, pp. 171-180, 2010, ACM, 2010 (Acceptance rate: 39/227=17.2%)</li> <li>19. 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 25th Annual Computer Security Applications Conference (ACSAC 2009)</i>, pp. 209-218, IEEE Computer Society, 2009 [Full paper: <a href="http://eprint.iacr.org/2009/476">http://eprint.iacr.org/2009/476</a>] (Acceptance rate: 44/224=19.6%)</li> <li>20. 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>, vol. 27, no. 9, pp. 1371-1381, Elsevier, 2009</li> <li>21. 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>, vol. 55, no. 4, pp. 1055-1063, IEEE, 2008</li> <li>22. 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>, vol. 18, no. 3, pp. 338-349, IEEE, 2008</li> <li>23. 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>, vol. 17, no. 2, pp. 214-223, IEEE, 2007</li> <li>24. Gonzalo Álvarez* and Shujun Li*, "Some Basic Cryptographic Requirements for Chaos-Based Cryptosystems," <i>International Journal of Bifurcation and Chaos</i>, vol. 16, no. 8, pp. 2129-2151, World Scientific, 2006</li> <li>25. 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>, vol. 15, no. 10, pp. 3119-3151, World Scientific, 2005</li> <li>26. 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>, vol. 51, no. 12, pp. 665-669, IEEE, 2004</li> <li>27. 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," <i>Computer Physics Communications</i>, vol. 153, no. 1, pp. 52-58, Elsevier, 2003</li> </ol>
<p style="text-align: center;"><b>All Publications: Books</b></p>	<ol style="list-style-type: none"> <li>1. 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 &amp; Sons, Inc. and IEEE Press, 2015</li> <li>2. Zhijie Chen, Shuqin Zhao, Shujun Li, Fuyong Wan (Editors), <i>L<sup>A</sup>T<sub>E</sub>X: From a Starter to a Master (L<sup>A</sup>T<sub>E</sub>X 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 ChinaT<sub>E</sub>X CD (built on 11th January 2006) (in Chinese)</li> </ol>
<p style="text-align: center;"><b>All Publications: Peer-Reviewed Journal Papers</b></p> <p style="text-align: center;">In press</p>	<ol style="list-style-type: none"> <li>1. Chengqing Li*, Bingbing Feng, Shujun Li, Jürgen Kurths and Guanrong Chen, "Dynamic Analysis of Digital Chaotic Maps via State-Mapping Networks," accepted to <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> in December 2018</li> </ol>



2018	2. Ximing Liu*, Yingjiu Li, Robert H. Deng, Bing Chang and Shujun Li, "When Human Cognitive Modeling Meets PINs: User-Independent Inter-Keystroke Timing Attacks," <i>Computers &amp; Security</i> , vol. 80, pp. 90-107, Elsevier, 2018
2017	3. Simying Ong*, Shujun Li*, KokSheik Wong* and KuanYew Tan, "Fast Recovery of Unknown Coefficients in DCT-Transformed Images," <i>Signal Processing: Image Communication</i> , vol. 58, pp. 1-13, Elsevier, 2017
2015	4. 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," <i>IEEE Transactions on Information Forensics and Security</i> , vol. 10, no. 8, pp. 1643-1655, IEEE, 2015 5. Mario Čagalja*, Toni Perković, Marin Bugarić and Shujun Li, "Fortune cookies and smartphones: Weakly unrelayed channels to counter relay attacks," <i>Pervasive and Mobile Computing</i> , vol. 20, pp. 64-81, Elsevier, 2015
2014	6. Roland Schmitz*, Shujun Li, Christos Grecos and Xinpeng Zhang, "Towards Robust Invariant Commutative Watermarking-Encryption based on Image Histograms," <i>International Journal of Multimedia Data Engineering and Management (IJMDEM)</i> , vol. 5, no. 4, pp. 36-52, IGI Global, 2014 7. Hui Wang, Anthony TS Ho* and Shujun Li*, "A Novel Image Restoration Scheme Based on Structured Side Information and Its Application to Image Watermarking," <i>Signal Processing: Image Communication</i> , vol. 29, no. 7, pp. 773-787, Elsevier, 2014
2013	8. Junaid Jameel Ahmad*, Shujun Li*, Richard Thavot and Marco Mattavelli, "Secure Computing with the MPEG RVC Framework," <i>Signal Processing: Image Communication</i> , vol. 28, no. 10 (special issue on Recent Advances on MPEG Codec Configuration Framework), pp. 1315-1334, Elsevier, 2013 9. Hassan Jameel Asghar*, Shujun Li, Josef Pieprzyk and Huaxiong Wang, "Cryptanalysis of the Convex Hull Click Human Identification Protocol," <i>International Journal of Information Security</i> , vol. 12, no. 2, pp. 83-96, Springer, 2013
2011	10. Roland Schmitz and Shujun Li, "Neue Entwicklungen in der e-Banking Security," ("Recent Developments in e-Banking Security,") <i>PIK – Praxis der Informationsverarbeitung und Kommunikation</i> , vol. 34, no. 4, pp. 176-184, Walter de Gruyter GmbH & Co. KG, 2011 (in German) 11. Chengqing Li*, Shujun Li* and Kwok-Tung Lo, "Breaking a modified substitution-diffusion image cipher based on chaotic standard and logistic maps," <i>Communications in Nonlinear Science and Numerical Simulations</i> , vol. 16, no. 2, pp. 837-843, Elsevier, 2011 12. David Arroyo* and Gonzalo Alvarez and José María Amigó and Shujun Li, "Cryptanalysis of a family of self-synchronizing chaotic stream ciphers," <i>Communications in Nonlinear Science and Numerical Simulations</i> , vol. 16, no. 2, pp. 805-813, Elsevier, 2011
2010	13. Chengqing Li*, Shujun Li*, Kwok-Tung Lo and Kyandoghere Kyamakyia, "A differential cryptanalysis of Yen-Chen-Wu multimedia cryptography system," <i>Journal of Systems and Software</i> , vol. 83, no. 8, pp. 1443-1452, Elsevier, 2010 14. 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> , vol. 15, no. 11, pp. 3471-3483, Elsevier, 2010 15. 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> , vol. 239, no. 12, pp. 1002-1006, Elsevier, 2010
2009	16. 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> , vol. 373, no. 37, pp. 3398-3400, Elsevier, 2009 17. 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> , vol. 19, no. 4, pp. 1329-1338, World Scientific, 2009 18. 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> , vol. 23, no. 5, pp. 651-659, World Scientific, 2009 19. 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 &amp; Fractals</i> , vol. 14, no. 11, pp. 2613-2616, Elsevier, 2009

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