

Professor Zhiyong Z. Zhang's Curriculum Vitae (Full)



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[Professional Background] Dr. Zhiyong (Zeroun) Zhang, born in October 1975, earned his Master and Ph.D. degrees in Computer Science at Dalian University of Technology and Xidian University, P. R. of China, respectively. Nowadays, he is a full-time Henan Province Distinguished Professor, Dean of Department of Computer Science, Henan University of Science and Technology (abbr. HAUST, formerly Luoyang Institute of Technology), and Director/Chair Professor of Multimedia Content Security Laboratory/Innovative Research Group (MCSL/IRG) funded by The Education Department of Henan Province, P. R. China. In 2010-2013, Zhang have ever conducted interdisciplinary post-doctoral studies on social media and Digital Rights Management (DRM) at School of Management, Xi'an Jiaotong University, P. R. China. In 2015-2016, he, as visiting professor, joined Software Engineering Laboratory/Research Group chaired by Professor Carl K. Chang (IEEE CS President Emeritus, IEEE/AAAS Fellow), and focused on social media R & D at Department of Computer Science, Iowa State University, USA. He is also Founder and Chairperson of Special Interests Group on Digital Rights Management (SIGDRM) established in October 2006, and Editor-in-Chief of SIGDRM Weekly Letters Initiative (Chinese Edition).

[Research Contributions] Recent decade, Zhang made intensive efforts to pursue cutting-edge researches on computer science, plus cross-disciplinary (empirical) studies on both information technology and information management. His research interests primarily include multimedia security and soft computing, (mobile) multimedia Digital Rights Management, social media and social networks analysis, mining and crowdsourcing, mobile cloud computing and big data, together with security risk assessment and information management methodology. He took the lead in investigating challenging issues of security, trust and risk in digital rights management ecosystem mainly for multimedia, further extending the studies oriented towards the emerging social media and social networks. And then, a novel research idea of the convergences of both "Hard Security" and "Soft Computing" was proposed in order to realize the ecosystem-level multimedia content security

schemes. Specifically, aiming at the security-utility analysis and game-theoretical decision on DRM security mechanisms and policies, multimedia social networks trust model and digital rights propagation potential path finding, together with multimedia usage control, he has tackled these open issues and challenges from a couple of perspectives of both information technology and information management, and now is still fully engaged in doing in-depth research on that. He has developed VOD (Voice of Dream) series multimedia security prototype and software productions for consumer electronics like PC, Mobile and Pad, as well as deployed a trinity multimedia social network platform named as CyVOD for short. As of today, in the filed of DRM engineering and applications, Zhang owns 30 papers indexed by Ei Compendex™ database especially regarding the keywords like "*Digital Rights Management or DRM*", as ranked as the second in the world.

[Research Works] For years, Zhang has been Principal Investigator of Chinese leading funded projects sponsored by National Natural Science Fund of China, China Postdoctoral Science Foundation, Chinese Ministry of Education Key Science & Technology Program, as well as Program for Innovative Research Team (in Science and Technology) in University of Henan Province, Plan For Scientific Innovation Talent of Henan Province, Program for Science & Technology Innovation Talents in Universities of Henan Province, and Henan Province Key Technologies R & D Program. In recent years, he has published above 90 selected papers on the well-known academic international journals and conferences sponsored by IEEE, ACM and IFIP, including "The Computer Journal", "Multimedia Tools and Applications", "Intelligent Automation & Soft Computing", "Neural Network World", "Social Networks Analysis and Mining", etc. He has edited and translated four books titled by "Security, Trust and Risk in Digital Rights Management Ecosystem", "Risk Assessment and Management", "Digital Rights Management and Security Technology (in Chinese)" and "Cyber Security Policy Guidebook (Translated Chinese Edition)", respectively. Besides, he held 10 granted patents and 19 items of The Registration of Computer Software Copyright, which are functionally demonstrated by using fruitful Prototypes & Demos (in Chinese). As Chairperson of SIGDRM™, he has ever chaired the researches & developments on CyVOD™ MSN (VOD-Cyclone Multimedia Social Network), which is a trinity comprehensively composed of multimedia security, social network and DRM, VOD (Mobile) DRM Players V3.0 (V3.1) for personal and mobile multimedia, as well as Online Survey System for empirical study. And also, he, as one of core drafters, co-drafted China National Standards including "Information technology-digital rights management-Terminology". In January 2014, he was conferred to Second Prize of Henan Province Science & Technology Progress issued by Henan Province Government, due to the above achievements of researches & developments on DRM, which are very helpful for a prospective, healthy and successful digital content industry.

[Academic Services] Zhang is ACM Senior Member (M'08, S'13), IEEE Senior Member (M'06, S'11), China Computer Federation Senior Member (M'04, S'08) and China Association for Artificial Intelligence (10' S), as well as is Member of IEEE Systems, Man, Cybernetics Society Technical Committee on Soft Computing (IEEE SMC TCSC), World Federation on Soft Computing Young Researchers Committee (WFSC YRC), IEEE Consumer Electronics Society Member, IEEE Young Professional (formerly IEEE GOLD Volunteer), and Committeeman of Digital Rights Management Specialists Work Group (DRM SWG) Attached to China National Audio, Video, Multimedia System and Device Standardization Technologies Committee. Besides, Prof. Zhang is Editorial Board

Member/Associate Editor of Multimedia Tools and Applications (Springer, SCI), Neural Network World (SCI), EURASIP Journal on Information Security (Springer), Social Network Analysis and Mining (Springer), Topic (DRM) Editor-in-Chief of International Journal of Digital Content Technology and Its Applications, Leading Guest Editor/Co-Guest Editor of Applied Soft Computing (Elsevier, SCI), Computer Journal (Oxford, SCI), Future Generation Computer Systems (Elsevier, SCI). Plus, Zhang made positive contributions on academic services, including Publication Chair of IEEE COMPSAC 2016, which is 40th anniversary of COMPSAC, the flagship conference of the IEEE Computer Society (IEEE CS), Chair/Co-Chair for numerous International Workshops/Sessions on Digital Rights Management, as well as TPC Member of numerous International Conferences. He was conferred the Award of Outstanding Organization Works for 2009 International Workshop on Digital Rights Management & Contents Protection, International Conference on Computational Intelligence and Security, in December 2009.

✧ **Educational Backgrounds**

- 1994 September - 1998 June, Computer Department, Henan Normal University, , B. Sc in Computer Science
- 2000 September - 2003 March, Computer Department, Dalian University of Technology, M. Sc in Computer Science
- 2006 September - 2009 September, College of Computer, Xidian University, Ph.D. in Computer Science
- 2010 March - 2012 December, School of Management, Xi'an Jiaotong University, Post-Doctoral Fellowship for cross-discipline research on Information Management and Information Technology

✧ **Professional Experiences**

- 1998 July - 2000 August, Computer Networks Center, Luoyang Institute of Technology, Assistant Engineering
- 2003 April - 2008 October, Department of Computer Science, Electronics Information Engineering College, Henan University of Science & Technology, Lecturer
- 2008 November - 2013 November, Department of Computer Science, Electronics Information Engineering College, Henan University of Science & Technology, Associate Professor
- 2013 December - 2015 March , Department of Computer Science, Electronics Information Engineering College, Henan University of Science & Technology, Full Professor
- 2015 April - 2016 April, Department of Computer Science, IOWA State University, Visiting Professor
- 2015 April - Present, Department of Computer Science, Information Engineering College, Henan University of Science & Technology, Henan Province Distinguished Professor

✧ **Research Interests (Present and Leading)**

- The-state-of-the-art of multimedia security and soft computing
- (Mobile) multimedia Digital Rights Management (DRM)
- Social networks analysis, mining and crowdsourcing
- Cross-disciplinary empirical study on both information technology and information management

✧ **Research Funds & Projects**

- 2015 January - Present, Multimedia Content Security (Sponsored by Program for Innovative Research Team (in Science and Technology) in University of Henan Province Grant

No.15IRTSTHN010), PI.

- 2014 January - Present, Digital Media Contents Security and Copyrights Protection in Cloud Media Social Networks (Sponsored by National Natural Science Foundation of China No.61370220), PI.
- 2013 January - Present, Digital Rights Management Technology Research and Development for Cloud Media Social Networking (Sponsored by Plan For Scientific Innovation Talent of Henan Province Grant No.134100510006), PI.
- 2011 January – 2013 December, Small World Network Modeling and Risk Controlling on Digital Rights Dissemination in Digital Rights Management (Supported by National Nature Science Foundation of China, Grant No. 61003234), PI.
- 2011 January – 2013 December, Study on Secure and Trusted Digital Multimedia Home Network and Its DRM Mechanisms (Supported by Program for Science & Technology Innovation Talents in Universities of Henan Province, Grant No.2011HASTIT015), PI.
- 2010 January - 2012 December, Empirical Study on User Security Behaviors in eBook Electronics Commerce and Digital Rights Management Implementations (Supported by China Postdoctoral Science Foundation, Grant No.20100471611), PI.
- 2009 January – 2011 December, Research on Multiparty Trust based on Security Policies Game-Theoretic Control in Digital Rights Management (Supported by National Nature Science Foundation of China, Grant No. 60803150), Co-PI.
- 2009 January – 2010 December, Research on Trusted Usage Control on Digital Contents (Supported by Henan Province Key Science & Technology Program, Grant No. 092102210295), PI.
- 2008 September – 2013 December, Digital Rights Management Terminology Specification (Supported by China National Standardization Administration of The People’s Republic of China Grant No.20080200-T-339), Co-Drafter.
- 2007 March – 2008 March, Trusted Computing Specification-Part 5: Trusted Network Connection Architecture, (Supported by China National Standardization Administration of The People’s Republic of China) Co-Drafter.
- 2006 January – 2007 December, Research on CSCW System Delegation Authorization Model Based on RBAC Policy (Supported by Henan Univ. of Sci. & Technol. Young Scholar Fund, Grant No.2005QN019), Director.
- 2005 March – 2006 March, Human Being Brain Vision Coding Mechanism Research (Supported by National Nature Science Foundation, Grant No.60475021), Co-Designer.
- 2003 September – 2006 March, Middleware-based Embedded Network Interface, (Sponsored by Key Sci. & Technol. Program of Chinese Ministry of Education, Grant No.03081), Co-Designer.
- 2003 June – 2005 January, Agent-Based Information Retrieval Architecture Research (Sponsored by Henan Province Nature Science Fundamental Research Fund, Grant No. 200410464004), Co-Designer.

☆ **Selected Publications (2005 ~ Present)**

➤ **Journal Papers**

- [1] Feng Weining, **Zhang Zhiyong***, Wang Jian, Han Linqian. A Proxy Re-encryption Scheme of Authorization Delegation for Multimedia Social Networks [J]. *Multimedia Tools and Applications*, 2015. (SCI, Accepted)

- [2] **Zhang Zhiyong***. Security, Trust and Risk in Multimedia Social Networks (Editorial). *The Computer Journal*, 2015. DOI:10.1093/comjnl/bxu151. (SCI 000359137500001, EI 20151500736718)
- [3] **Zhang Zhiyong***, Wang Zhen, Niu Danmei. A Novel Approach to Rights Sharing-Enabling Digital Rights Management for Mobile Multimedia. *Multimedia Tools and Applications*, 2014. DOI: 10.1007/s11042-014-2135-7. (SCI 000359137500011, EI IP53181298, Online)
- [4] **Zhang Zhiyong***, Wang Kanliang. A Formal Analytic Approach to Credible Potential Path and Mining Algorithms for Multimedia Social Networks. *The Computer Journal*, 2015, 58 (4): 668-678. DOI:10.1093/comjnl/bxu035. (SCI, EI 20151500736707)
- [5] **Zhang Zhiyong***, Yang Lijun, Fan Kefeng. A Quantitative and Qualitative Analysis-based Security Risk Assessment for Multimedia Social Networks. *Int'l J. of Network Security*, 2016, 18(1): 43-51.
- [6] **Zhang Zhiyong***. The Challenge of Multimedia Social Networks and Security [J]. *Recent Advances in Electrical & Electronic Engineering*, 2015, 8(2): 72-73. (EI 20153901314334)
- [7] **Zhang Zhiyong***, Wang Kanliang. A Trust Model for Multimedia Social Networks [J]. *Social Networks Analysis and Mining (Springer)*, 2013, 3(4):969-979.
- [8] Chang Yanan, **Zhang Zhiyong***, Wang Jian. A Security Protocol for Trusted Access to Cloud Environment. *Recent Advances in Electrical & Electronic Engineering*, 2015, 8(2): 135-144. (EI)
- [9] Chen Qingli, **Zhang Zhiyong***, Xiang Fei, et al. Research on Access Control Model for Multimedia Social Networks [J]. *Journal of Xidian University*, 2014, 41(6): 181-187. (EI 20145200360046) (in Chinese)
- [10] Huang Tao, **Zhang Zhiyong***, Chen Qingli, et al. A Method for Trusted Usage Control over Digital Contents Based on Cloud Computing. *International Journal of Digital Content Technology & Its Applications*, Vol.7, No.4, pp.795-802, 2013.
- [11] Liu Yan, **Zhang Zhiyong***. Research on Granular Layer Structure Based on Logical Formulas [J]. *Soft Computing with Applications*, 2013 (Accepted)
- [12] **Zhang Zhiyong***. Frontier and Methodologies on Digital Rights Management for Multimedia Social Networks. *International Journal of Digital Content Technology & Its Applications*, Vol.6, No.9, pp.245-249, 2012. (EI 20122415113619)
- [13] Yang Lijun, **Zhang Zhiyong***, Pu Jiexin. Rough Set and Trust Assessment-based Potential Paths Analysis and Mining for Multimedia Social Networks. *International Journal of Digital Content Technology & Its Applications*, Vol.6, No.22, pp. 640-647, 2012. (EI 20125215835371)
- [14] **Zhang Zhiyong***, Qingqi Pei, Yang Lin, et al, "Game-Theoretic Analyses and Simulations of Adoptions of Security Policies for DRM in Contents Sharing Scenario", *Intelligent Automation and Soft Computing*, Vol. 17, No.2, pp.191-203, 2011. (SCI 000288881400007)
- [15] **Zhang Zhiyong***, "Digital Rights Management Ecosystem and its Usage Controls: A Survey", *International Journal of Digital Content Technology & Its Applications*, Vol.5, No.3, pp.255-272, 2011. (EI 20112214020460)
- [16] **Zhang Zhiyong***, Pei Qingqi, Yang Lin, et al, "Game-Theoretic Analyses and Simulations of Adoptions of Security Policies for DRM in Contents Sharing Scenario", *Intelligent Automation and Soft Computing*, Vol. 17, No.2, pp.191-203, 2011. (SCI 000288881400007)
- [17] **Zhang Zhiyong***, Huang Tao, Niu Danmei, Zhang Lili. Usage Control Model for Digital Rights Management in Digital Home Networks [J]. *Journal of Multimedia*, Vol.6, No.4, pp.376-383, 2011.

- [18] **Zhang Zhiyong***, “Digital Rights Management Ecosystem and its Usage Controls: A Survey”, *International Journal of Digital Content Technology & Its Applications*, Vol.5, No.3, pp.255-272, 2011. (EI 20112214020460)
- [19] **Zhang Zhiyong***, Lian Shiguo, Pei Qingqi, et al, “Fuzzy Risk Assessments on Security Policies for Digital Rights Management”, *Neural Network World*, Vol. 20, No.3, pp.265-284, 2010. (SCI 000280426100002, EI 20103213125917)
- [20] **Zhang Zhiyong***, Liu Xinliang, Pu Jiexin, “Utility-Analytic Approach and Swarm Simulations of Security Policies in Digital Rights Management”, *Journal of Multimedia*, Vol.5, No.5, pp.417-426, 2010. (EI 20104613391495)
- [21] **Zhang Zhiyong***, Qingqi Pei, and Jianfeng Ma, et al, “Security and Trust of Digital Rights Management: A Survey”, *International Journal of Network Security*, 2009, 9(3): 247-263.
- [22] **Zhang Zhiyong***, Qingqi Pei, and Jianfeng Ma, et al, “Establishing Multi-Party Trust Architecture for DRM by Using Game-Theoretic Analyses and Simulations of Adoptions of Security Policies”, *Chinese Journal of Electronics*, 2009, 18(3): 519-524. (SCI 000268110500027, EI 20093612286410)
- **Conference Papers**
- [23] Zhao Changwei, **Zhang Zhiyong**, Li Hanman, et al. A Social Network Information Propagation Model Considering Different Types of Social Relationships. *Seventh International Conference on Genetic and Evolutionary Computing, Springer Advances in Intelligent and Soft Computing*, 2013. DOI: 10.1007/978-3-319-01796-9_29.
- [24] Wang Zhen, **Zhang Zhiyong***, Chang Yanan, et al. An Approach to Mobile Multimedia Digital Rights Management based on Android. *Seventh International Conference on Genetic and Evolutionary Computing, Springer Advances in Intelligent and Soft Computing*, 2013. DOI: 10.1007/978-3-319-01796-9_25.
- [25] **Zhang Zhiyong***, “Security, Trust and Risk in Digital Rights Management Ecosystem”, In: *Proc. of 2010 International Conference on High Performance Computing & Simulation*, Special Session on Trusted Ubiquitous Networks & Multimedia Contents Protection, Caen, France, Jun, 2010. (EI 20103913258649)
- [26] Niu Danmei, **Zhang Zhiyong***, Zhang Lili, “A DRM System for Home Network Based on RBAC and License Chain”, In: *Proc. of The Fourth International Conference on Genetic and Evolutionary Computing*, Shenzhen ,China, Dec, 2010.
- [27] Zhang Lili, **Zhang Zhiyong***, Sen Sen, et al, “A DRM System Based on PKI”, In: *Proc. of The Fourth International Conference on Genetic and Evolutionary Computing*, Shenzhen ,China, Dec, 2010.
- [28] Ye Chuanqi, Xinliang Liu, **Zhang Zhiyong**, et al, “Multi-Spectral and Panchromatic Image Fusion Based on Region Correlation Coefficient in Nonsampled Contourlet Transform Domain”, In: *Proc. of The Fourth International Conference on Genetic and Evolutionary Computing*, Shenzhen ,China, Dec, 2010.
- [29] **Zhang Zhiyong***, Pei Qingqi, and Ma Jianfeng, et al, “Cooperative and Non-Cooperative Game-Theoretic Analyses of Adoptions of Security Policies for DRM”, *Proc. of 5th IEEE International Workshop on Digital Rights Management Impact on Consumer Communications*, Satellite Workshop of 6th IEEE Consumer Communications & Networking Conference, Jan 10-13, Las Vegas, Nevada, U.S. (EI 20091512027309, ISTEP)
- [30] **Zhang Zhiyong***, Pei Qingqi, and Ma Jianfeng, et al, “A Benefits-Centric Multi-Participant Trust

- Architecture for DRM-Enabling Digital Contents Value Chain Ecosystem”, *Proc. of 2008 International Seminar on Business and Information Management*, IEEE Computer Society Press, Dec.19th, Wuhan, China. (EI 20094312395422, ISTP 000269752000051)
- [31] **Zhang Zhiyong***, Pu Jiexin, Wu Qingtao, et al, "Fuzzy Utility-Factor Assessments and Swarm Simulations on DRM Security Policies", 2009 International Conference on Computer and Communications Security, IEEE Computer Society, Hong Kong, Dec 5-6, 2009. (EI 20101512832855, ISTP 000276142900015)
- [32] **Zhang Zhiyong***, Pei Qingqi, and Ma Jianfeng, et al, “A Fine-grained Digital Rights Transfer Policy and Trusted Distribution and Enforcement”, *Proc. of 2008 International Conference on Computational Intelligence and Security*, Dec, 13~17, Suzhou SIP, China. (EI 090911923791, ISTP 000268099900205)
- [33] **Zhang Zhiyong***, Pei Qingqi, and Ma Jianfeng, et al, “Implementing Trustworthy Dissemination of Digital Contents by Using a Third Party Attestation Proxy-Enabling Remote Attestation Model”, *Proc. of 2008 International Conference on MultiMedia and Information Technology*, IEEE Computer Society Press, Dec.30-31, Three Gorges, China, 2008. (EI 20094112369076, ISTP 000269971400081)
- [34] **Zhang Zhiyong***, Yang Lin, Pei Qingqi, et al, “Research on Usage Control Model with Delegation Characteristics Based on OM-AM Methodology,” *Proc. of 2007 IFIP International Conference on Network and Parallel Computing*, Oct.18-21, Dalian, China. (EI 083111412681, ISTP 000251390000042)
- [35] **Zhang Zhiyong***, Pu Jiexin, and Zhang Shaozhong. “Dynamic Capability Delegation Model for MAS, Architecture and Protocols in CSCW Environment,” *Proceedings of The 10th International Conference on CSCW in Design*, May, 2006, Nanjing, China. (EI 073210756595, ISTP BFD79)
- [36] **Zhang Zhiyong***, Pu Jiexin and Zhang Hongyi, “Collaboration Access Control Model for MAS Based on Role and Agent Cooperative Scenarios,” *Proceedings of IEEE International Conference on Mechatronics and Automation*, June, 2006, Luoyang, China.(EI 071710567371, ISTP BFE23)
- [37] **Zhang Zhiyong** and Pu Jiexin, “Delegation Model for CSCW Based on RBAC Policy and Visual Modeling”, *Proceedings of The 11th Joint International Computer Conference 2005*, World Scientific Press Company, Nov.10-12, Chongqing, China,126-130.(ISTP BDF35)
- **Monographs**
- [38] **Zhang Zhiyong**, Fan Kefeng, Xiang Fei (Translators), Jennifer L. Bayuk, Jason Healey, Paul Rohmeyer, et al. *Cyber Security Policy Guidebook [M]*. Beijing: National Defense Industry Press, 2014, 11. (ISBN 978-7-118-09824-2, Chinese Edition)
- [39] **Zhang Zhiyong**. *Security, Trust and Risk in Digital Rights Management Ecosystem*. Beijing: Science Press, 2012, 5. (ISBN 978-7-03-034335-2)
- [40] **Zhang Zhiyong**. *Risk Assessment and Management*. USA: Academy Publish, 2012, 11. (ISBN 978-0-9835850-0-8)
- [41] **Zhang Zhiyong**, Fan Kefeng. *Digital Rights Management and Security Technology*. Beijing: National Defense Industry Press, 2013, 3. (ISBN 978-7-118-08659-1, in Chinese)
- **Research Reports**
- [42] **Zhang Zhiyong***, *Research on Digital Rights Management for Multimedia Social Networks [R]*. Xi'an Jiao Tong University Post-Doctoral Research Report, 2013, 1. (in Chinese)

✧ **China National Standards/Granted Patents**

- Information technology and digital rights management terminology” National standardization of the people's Republic of China, Standardization Administration of The People’s Republic of China, 2013. (GB/T 30247-2013)
- Information security technology-Trusted computing specifications-Trusted connection architecture, National standardization of the people's Republic of China, Standardization Administration of The People’s Republic of China, 2013. (GB/T 29828-2013)
- Technical specification for digital interface content protection system, The third part: Technical specification for DTV-CI content protection system, Electronic Industry Standardization of The People's Republic of China, 2012.
- Technical specification for digital interface content protection system, The fourth part: Technical specification for DTV-CI content protection system, Electronic Industry Standardization of The People's Republic of China, 2012.
- Technical specification for digital audio and video interface, National standardization of the people's Republic of China, Standardization Administration of The People’s Republic of China, 2009.
- A method and system for digital content sharing of digital network. ZL 201110314236. 09, 2013.
- A digital copyright protection system for multimedia audio and video. ZL 201320035188. 04,2013.
- A digital rights management system based on trusted computing. ZL 201220001056. 05,2013.
- A method of digital content distribution for multimedia social networks. ZL 201110188334. 2,2011.
- A method of digital content trusted usage control based on cloud computing. ZL 201110395752. 9, 2011.
- A Biometrics-Based Method for Remote Authentication, ZL 200810150642.4, 2010.
- An Enhanced Security Method for Fingerprint Fuzzy Vault System, ZL 200810150579.4, 2010.
- A Biometric-Based Method for Encryption, ZL 200810150646.2, 2011.

✧ **Academic Activities & Services**

- **Editorial Board/Associate Editor/ Topic Editor-in-Chief**
 - ✓ Editorial Board Member of Multimedia Tools and Applications (2015-, Springer, ISSN-Print: 1380-7501, ISSN-Online: 1573-7721, SCI IF=1.346)
 - ✓ Editorial Board Member of Neural Network World (2015-, Czech Republic, ISSN-Print: 1210-0552, ISSN-Online: 2336-4335, SCI IF=0.479)
 - ✓ Editorial Board Member of EURASIP Journal on Information Security (2016-, Springer, ISSN: 1687-417X, EI Compendex)
 - ✓ Associate Editor of Social Network Analysis and Mining (2013-, Springer, ISSN-Print: 1869-5450, ISSN-Online: 1869-5469)
 - ✓ Editorial Board Member of Recent Advances in Electrical & Electronic Engineering (2015-, Online ISSN 2352-0973, Print ISSN 2352-0965, EI)
 - ✓ Topic (DRM) Editor-in-Chief of International Journal of Digital Content Technology and Its Applications (2011-, AICIT, ISSN-Print: 1975-9339, ISSN-Online: 2233-9310)
- **Leading Guest Editors/Co-Guest Editor**

- ✓ Leading Guest Editor, Special Issue on Crowd Computing for Social Media Ecosystem, Applied Soft Computing (Elsevier, ISSN: 1568-4946, SCI IF=2.81)
- ✓ Leading Guest Editor, Special Issue on Multimedia Social Network Security and Applications, Multimedia Tools and Applications (Springer, ISSN-Print: 1380-7501, ISSN-Online: 1573-7721, SCI IF=1.346)
- ✓ Leading Guest Editor, Special Issue on Applied Soft Computing for Online Social Networks, Neural Network World (Czech Republic, ISSN-Print: 1210-0552, ISSN-Online: 2336-4335, SCI IF=0.479)
- ✓ Leading Guest Editor, Special Issue on Security, Trust and Risk in Multimedia Social Networks, Computer Journal (Oxford, ISSN-Print: 0010-4620, ISSN-Online: 1460-2067, SCI IF=0.787)
- ✓ Leading Guest Editor, Special Issue on Challenges for Multimedia Content Security in Social Networks , EURASIP Journal on Information Security (Springer, ISSN: 1687-417X, EI)
- ✓ Co-Guest Editor, Special Issue on Recent research in Computational Intelligence paradigms into Security and Privacy for Online Social Networks (OSNs), Future Generation Computer Systems (Elsevier, ISSN: 0167-739X, SCI IF=2.786)
- ✓ Co-Guest Editor, Special Issue on Swarm and Evolutionary Computational Approaches: Recent Advances in Networking and Internet of Things (IoT), International Journal of Networking and Virtual Organisations (ISSN Online: 1741-5225, ISSN Print: 1470-9503)
- ✓ Leading Guest Editor, Special Issue on The Challenge of Multimedia Social Networks and Security, Recent Advances in Electrical & Electronic Engineering (Online ISSN 2352-0973, Print ISSN 2352-0965, EI)
- ✓ Leading Guest Editor, Special Issue on Multimedia Contents Security in Social Networks Applications, Journal of Multimedia (JMM, ISSN: 1796-2048, EI)
- ✓ Leading Guest Editor, Special Issue on Security, Trust and Risk in Digital Rights Management Ecosystem, International Journal of Digital Content Technology and Its Applications (AICIT, ISSN-Print:1975-9339, ISSN-Online: 2233-9310, EI)
- ✓ Publication Chair, The 40th IEEE Computer Society International Conference on Computers, Software & Applications (IEEE Computer Society)
- **International Conference Co-Sponsor/Workshop/Invited Session Sponsor & Chair**
 - ✓ Technical Co-Sponsor, 4th International Conference on Advanced Computing, Networking, and Informatics, Rourkela, India, 2016. (ICACNI 2016)
 - ✓ Sponsor and Chair, Invited Session on Digital Rights Management (IAS-2009-IS15), The Fifth International Conference on Information Assurance and Security, Xi'an, China, 2009. (IAS2009, China), (IAS-2009-IS15)
 - ✓ Sponsor and Chair, International Workshop on Digital Rights Management & Contents Protection (CIS-Workshop2009), conjunction with 2009 International Conference on Computational Intelligence & Security, Beijing, China, 2009. (CIS2009, China), (CIS-Workshop2009)
 - ✓ Sponsor and Chair Special Session on Trusted Ubiquitous Networks & Multimedia Contents Protection (TUN-MM 2010), 2010 International Conference on High Performance Computing & Simulation, Caen, France, 2010. (HPCS2010, France), (TUN-MM2010)

- ✓ Sponsor and Chair, Invited Session on Security and Trust in Ubiquitous Networks (ICGEC-2010-IS06), Fourth International Conference on Genetic and Evolutionary Computing (ICGEC-2010), Shenzhen, China, 2010. (ICGEC2010, China), (ICGEC2010-IS06)
 - ✓ Sponsor and Chair, Special Session on Security, Privacy and Copyright in Multimedia Social Network, International Conference on Multimedia Information NETworking Security, Nanjing, China, 2010. (MINES2010, China), (MINES2010-SS2)
 - ✓ Sponsor and Chair, Special Session on Digital Home Networks & Multimedia Contents Protection (DHN-MM 2011), 2011 International Conference on High Performance Computing & Simulation, Istanbul, Turkey, 2010. (HPCS2011, Turkey), (DHN-MM2011)
 - ✓ Sponsor and Chair, Invited Session on Digital Rights Management (ICGEC-2011-IS01), Fifth International Conference on Genetic and Evolutionary Computing (ICGEC-2011), Kitakyushu, Japan, 2011. (ICGEC2011, Japan), (ICGEC-2011-IS01)
 - ✓ Sponsor and Chair Invited Session on Multimedia and Cloud Computing Security (ICGEC-2012-IS01), Sixth International Conference on Genetic and Evolutionary Computing (ICGEC-2012), Kitakyushu, Japan, 2012. (ICGEC2012, Japan), (ICGEC-2012-IS01)
 - ✓ Sponsor and Chair, Invited Session on Multimedia Social Networks and Soft Computing (ICGEC-2013-IS03), Seventh International Conference on Genetic and Evolutionary Computing (ICGEC-2013), Prague, Czech Republic, 2013. (ICGEC2013, Czech Republic), (ICGEC-2013-IS03)
- **Technical Program Committee**
- ✓ International Conference on Multimedia Information NETworking Security. (MINES2009, China) (MINES2010, China)
 - ✓ International Conference on High Performance Computing & Simulation. (HPCS2010, France) (HPCS2011, Turkey)
 - ✓ International Conference on Internet Technology and Applications. (iTAP2010, China) (iTAP2011, China)
 - ✓ International Conference on Genetic and Evolutionary Computing. (ICGEC2010, China) (ICGEC2011, Japan)
 - ✓ International Symposium on Advances in Cryptography, Security and Applications for Future Computing. (ACSA2010, Korea) (ACSA2011, Korea)
 - ✓ International Symposium on Intelligence Information Processing and Trusted Computing. (IPTC2010, China) (IPTC2011, China)
 - ✓ The First International Symposium on Ubiquitous & Trusted Computing, Busan, Korea, 2010. (UTC2010, Korea)
 - ✓ 2010 International Conference on Communications and Intelligence Information Security, Nanjing, China, 2010. (ICCIIS2010, China)
 - ✓ 2010 International Conference on Computer Application and System Modeling, Taiyuan, China, 2010. (ICCASM2010, China)
 - ✓ 2010 Asia-Pacific Conference on Information Network and Digital Content Security, Beijing, China, 2010. (APCID2010, China)
 - ✓ TPC Member, The International Conference on High Performance Computing & Simulation (2010 France, 2011 Turkey, 2014 Italy, 2015 The Netherlands, 2016 Austria)

- ✓ TPC Member, International Conference on Future Computational Technologies and Applications (2013 Spain, 2014 Italy, 2015 France, 2016 Italy)
- ✓ TPC Member, International Conference on Advances in Computing, Communications and Informatics, Jaipur, India, 2016. (ICACCI 2016)

➤ **Membership & Activities**

- ✓ 2011 April - Present, IEEE Senior Member
- ✓ 2013 March - Present, ACM Senior Member
- ✓ 2011 January - Present, IEEE Consumer Electronics Society Member
- ✓ 2010 January - Present, Technical Committee Member for IEEE Systems, Man, Cybernetics Society TC on Soft Computing (IEEE SMC TCSC)
- ✓ 2011 May - Present, IEEE Young Professional (formerly IEEE GOLD Volunteer)
- ✓ 2008 May - Present, Member for Digital Rights Management Specialists Work Group Attached to China National Audio, Video, Multimedia System and Device Standardization Technologies Committee (AVMSC-DRM SWG)
- ✓ 2010 August - Present, Technical Committee Member of Chinese Association for Artificial Intelligence TC on Intelligent Digital Contents Security (CAAI IDCS)
- ✓ 2011 October - Present, Committee for Experts on Cloud Computing, China Institute of Communications (CIC CECC)

(Updated in 2016 January)