

Dr. Zhiyong ZHANG's Curriculum Vitae (Executive Summary)



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[Professional Background] Dr. Zhiyong ZHANG, born in 1975 October, earned his Bachelor, Master and Ph.D. degrees in Computer Science at Henan Normal University, Dalian University of Technology and Xidian University, P. R. of China, respectively. Nowadays, he is Chair of IEEE MMTC DRMIG, and full-time Henan Province Distinguished Professor, Ph.D. Supervisor, Dean of Department of Computer Science, and Director of Henan Joint International Research Laboratory of Cyberspace Security Applications (Formerly Special Interests Group on Digital Rights Management, SIGDRM), Henan University of Science and Technology, 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 of CyVOD, established in 2015 May.

[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 cyberspace security and optimization decision, multimedia content security and soft computing, as well as digital rights management. He took the lead in investigating the 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. Especially, he have ever proposed the social-situation analytics technology (SocialSitu) and recommender, trust model for multimedia social networks, together with security-utility analysis and game-theoretical method for DRM policies, and is now 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. As of today, in the filed of DRM engineering and applications, Zhang owns 32 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 100 selected papers on the well-known academic international journals and conferences sponsored by IEEE, ACM and IFIP, including "IEEE Transactions on Big Data", "Future Generation Computer Systems", "The Computer Journal", "Multimedia Tools and Applications", etc. He has edited and translated five books titled by "Security, Trust and Risk in Digital Rights Management Ecosystem", "Risk Assessment and Management", "Social Network Security Theory and Technology (in Chinese)", "Digital Rights Management and Security Technology (in Chinese)" and "Cyber Security Policy Guidebook (Translated Chinese Edition)", respectively. Besides, he held 10 granted patents and 20 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". He was conferred to Second Prize of Henan Province Science & Technology Progress issued by Henan Province Government, in 2014 January and 2017 December, respectively, due to the above research & development achievements, 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), Chair of IEEE MMTC DRMIG (2018), China Computer Federation Senior Member (M'04, S'08) and China Association for Artificial Intelligence (10'S), as well as 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 China National Audio, Video, Multimedia System and Device Standardization Technologies Committee. Besides, Prof. Zhang is Editorial Board Member of Multimedia Tools and Applications (Springer, SCI), Neural Network World (Czech Republic, SCI) and EURASIP Journal on Information Security (Springer), Associate Editor of Human-centric Computing and Information Sciences (Springer, SCI) and IEEE Access(IEEE, SCI), Leading Guest Editor/Co-Guest Editor of Applied Soft Computing (Elsevier, SCI), Computer Journal (Oxford, SCI), Future Generation Computer Systems (Elsevier, SCI), as well as International Advisory Board Member of International Journal of Cloud Applications and Computing

(IGI Global). Plus, Zhang made outstanding efforts and contributions on the following academic services, including Proceedings Publication Chair/Co-Chair of IEEE COMPSAC 2016 and COMPSAC 2017, which is 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 on multimedia and computing security. 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 2009 December.

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