Curriculum Vitae for XMUM Official Website

Name	**Yingqian Zhang**
Current Position	Professor
Administrative Position (if applicable)	
Room No.	
Programme	Artificial Intelligence
Telephone	
Email	Yingqian.zhang@xmu.edu.my

BIOGRAPHY

Prof. Zhang research interests Artificial Intelligence, security, AI painting. He has been actively publishing more than fifty papers in the high-quality international journals (e.g., Inform Sci, Neural Compu. Appl., Nonlinear Dyn., CNSNS, Etc.), H-index 24, 2680 citation times in SCI core library. Five papers are listed as the ESI highly cited papers.
He is one of senior CCF member, ACM member, new century talent Fujian Province, China. He serves as the project evaluator of NSFC, Fujian NSF, Xiamen/Quanzhou/Zhangzhou Municipal Science&Tech Bureaus.

RESEARCH INTERESTS

AI security, AI painting, chaotic communications, information hiding and encryption.

EDUCATIONAL BACKGROUND

- PhD (Computer Science), School of Computer, Dalian University of Technology, China (2015)
- MSc (Computer Science), Dalian University of Technology, China (2006)
- BSc (Computer Science), Dalian Polytechnic University (2002)

WORKING EXPERIENCE

- Professor, School of EE&AI, Xiamen University Malaysia, Malaysia (2021 to now)
- Professor, academic/research leader of AI, Xiamen University Tan Kah Kee College (2017 to now)
- Assoc director, Fujian Province Key lab of Advanced Smart Manufacturing and Equipment, China (2019 to now)
- professor, postgraduate's supervisor, Xiamen University, China (2017 to now)
- Assoc professor/professor, City Institute, Dalian University of Technology, China (2012 to 2017)

RESEARCH EXPERIENCE / GRANTS

2020-2022, Integration of industry and education and collaborative education, Minister of Education, China
2018, Research of German the Industry 4.0 and Universities, Berlin/ Frankfurt/ Magdeburg, Germany
2017-2021, New Century Talent Project, Fujian, China
2018-2021, NSF, Fujian, China

2015-2019, NSFC, China

REPRESENTATIVE PUBLICATIONS

[1] Wang XY,Su YN, Yingqian Zhang. A new image encryption algorithm based on Latin square matrix, NONLINEAR DYNAMICS,2022, 107 (1) , pp.1277-1293 SCI EI

[2] He Y, Yingqian Zhang * , He X , et al. A new image encryption algorithm based on the OF-LSTMS and chaotic sequences[J]. Scientific Reports. 2021. 10.1038/s41598-021-85377-1 SCI EI

[3] Yingqian Zhang, Huang H F, Wang X Y , et al. A secure image encryption scheme based on genetic mutation and MLNCML chaotic system[J]. Multimedia Tools and Applications, 2021(1). 10.1007/s11042-021-10724-3 SCI EI

[4] Huang, ZJ; Zhang YQ and Jia, YR, A Novel Watermarking Mechanism for Deep Learning Models rased on Chaotic Boundaries.15th ISMICT2021, pp.104-109 EI

[5] Yingqian Zhang, Jia Y R , Wang X Y , et al. DeepTrigger: A Watermarking Scheme of Deep Learning Models based on Chaotic Automatic Data Annotation[J]. IEEE Access, 2020. 8 , pp.213296-213305 SCI EI

[6] Yingqian Zhang, Hao J L , Wang X Y . An Efficient Image Encryption Scheme Based on S-Boxes and Fractional-Order Differential Logistic Map[J]. IEEE Access, 2020, PP(99):1-1. SCI EI

[7] Yi H , Yingqian Zhang , Wang X Y . A new image encryption algorithm based on two-dimensional spatiotemporal chaotic system[J]. Neural Computing and Applications, 2020, 32:247-260. SCI EI

[8] Liu H , Zhang Y , Kadir A , et al. Image encryption using complex hyper chaotic system by injecting impulse into parameters[J]. Applied Mathematics and Computation, 2019, 360 , pp.83-93 ESI SCI EI *(cited 41 times)*

[9]Yingqian Zhang, Xingyuan Wang, LiyanLiu, Jia Liu. Fractional Order Spatiotemporal Chaos with Delay in SpatialNonlinear Coupling. International Journal of Bifurcation and Chaos, February2018, Vol. 28, No. 02. SCI EI

[10] Zhang Ying-Qian , He Yi, WangXing-Yuan. Spatiotemporal chaos in mixed linear-nonlinear two-dimensional coupled logistic map lattice, Physica A, 2018, 490: 148–160. SCI EI

[11] Zhang Ying-Qian , Wang Xing-Yuan ,LiuLi-Yan , He Yi , Liu Jia , Spatiotemporal Chaos of Fractional Order Logistic Equation in Nonlinear Coupled Lattices, Communications in Nonlinear Science and Numerical Simulation ,2017, 52:52-61. SCI EI

[12] Ying-Qian Zhang, Xing-Yuan Wang,JiaLiu, Ze-Lin Chi. An image encryption scheme based on the MLNCML system using DNA sequences [J]. Optics and Lasers in Engineering, 2016, 82: 95–103. SCIEI

[13] Zhang Ying-Qian, Wang Xing-Yuan.Spatiotemporal chaos in Arnold coupled logistic map lattice [J].Nonlinear Analysis Modelling and Control, 2013, 18(4): 526-541. SCI EI

[14] Zhang Ying-Qian, Wang Xing-Yuan. A New Image Encryption Algorithm Based on Non-adjacent Coupled Map Lattices[J].Applied Soft Computing, 2015, 26: 10-20. ESI SCI EI *(cited 296 times)*

[15] Zhang Ying-Qian, WangXing-Yuan. Spatiotemporal Chaos in Mixed Linear- Nonlinear Coupled Logistic Map Lattice[J]. Physica A, 2014, 402: 104-118. SCI EI

[16] Zhang Ying-Qian, Wang Xing-Yuan. ASymmetric Image Encryption Algorithm Based on Mixed Linear-Nonlinear Coupled Map Lattice [J]. Information Sciences, 2014,273 :329-351. ESI SCI EI *(cited 447 times)*

[17] Zhang Ying-Qian, WangXing-Yuan. Analysis and Improvement of a chaos-based Symmetric Image Encryption Scheme using a Bit-level Permutation [J]. Nonlinear Dynamics,2014, 77(3):687-698. SCIEI

[18] ZhangYing-Qian, Wang Xing-Yuan. AParameter Modulation Chaotic Secure Communication Scheme with Channe lNoises[J]. Chinese Physics Letters, 2011, 28(2):020505. SCI EI

[19] WangXingyuan, Liu Lintao,Zhang Yingqian. A novel chaotic block image encryption algorithm based on dynamic random growth technique [J]. Optics and Lasers in Engineering, 2015, 66: 10-18.ESI SCI EI *(313 times cited)*

[20] WangXing-Yuan, ZhangYing-Qian*, BaoXue-Mei. A novel chaotic image encryption scheme usingDNA sequence operations[J]. Optics and Lasers in Engineering, 2015, 73: 53-61.ESI SCI EI *(329 times cited)*

AI Painting Research Representative Artworks:

- 2021 buildings

- 2020 Portraits