



Dr. Chen Jian

Department of Digital and Intelligent Technology

Assistant Professor | Master's Supervisor

Biography

I currently serve as an Assistant Professor. With nearly 20 years of management experience in multinational enterprises, including nearly 3 years of overseas work, I have long been engaged in enterprise digitalization and information system development. I was a pioneer in leading international brands into China's domestic e-commerce market, bringing extensive industry experience. Currently, as a key member of an academician's team, I am involved in trusted data space research, focusing on innovation and applications in cross-border data flows, data governance, and the digital economy. My primary research interests include enterprise digital operations, cross-border data flows, and data security and privacy protection. I have published 5 papers in journals and conferences such as SCI, IEEE, and China Engineering Science. I have led and participated in 5 projects funded by the Macau Science and Technology Development Fund and the Macau Foundation, and have contributed to the formulation of 1 group standard.

Working Experience

- Assistant Professor / Postdoctoral Fellow| Macau Millennium College, School of Digital Technology | Present
- East China Regional Director| SDIC Intelligence Information Technology Co., Ltd.
- Greater China IT Head| Lihui Commercial(Shanghai) Co., Ltd.
- Director of Information Department| Mitac Group

Education Background

- Ph.D. in Data Science| City University of Macau, Faculty of Data Science| Sep 2022 – Jul 2025

Research Interests

Enterprise Digital Operations; Cross-border Data; Data Security and Privacy Protection

Teaching Courses

- Statistics,
- Python Programming,
- Smart Tourism System Management,
- Precision Marketing in the Big Data Era,
- Innovative Technologies in Tourism Services,
- Digital Marketing,
- Foundations and Management of Smart Tourism Cities

Social Service

- Academic Committee Member, Cantonese Corpus and Large Model Evaluation Key Laboratory
- Mentor, Guangdong-Hong Kong-Macao Greater Bay Area Cyberspace Security Governance Innovation Research Institute

RESEARCH OUTPUTS

Publications

Recent publications mainly relate to EEG, large models, embodied intelligence, and affective computing.

[1] Chen J, Lu F, Liu Y, et al. Cross trust: A decentralized MA-ABE mechanism for cross-border identity authentication[J]. International Journal of Critical Infrastructure Protection, 2024, 44: 100661 (JCR Q1)

[2] Shanwen Hu, Linkai Zhu, Zhiming Cai, Jian Chen. A Consortium Blockchain

System Designed for Multi-Domain Cooperative Alliance[C]. 2023 2nd International Conference on Cryptography, Network Security and Communication Technology (EI)

[3] Chen J, Hu S, Cai Z. UCAP: A Novel Attribute Matching Authentication Model Using Knowledge Graph Approach[C]//2024 Cross Strait Radio Science and Wireless Technology Conference (CSRSWTC). IEEE, 2024: 1-3 (Conference)

[4] Chen Jian, Cai Zhiming, Qi Jiayin, Fang Binxing. (2024) Design of a Decentralized Distributed Digital Identity Framework for Cross-border Scenarios [J]. China Engineering Science, 2025(2): 1-10 (Beihe Core, Domestic Top Journal)

[5] Chen Jian, Cai Zhiming, Qi Jiayin. Research on Implementation Path and Strategy of "De-NAT" in Macau [J]. Network Security and Data Governance, 2024(10) (National Science and Technology Journal)

[6] Chen Jian, Qi Jiayin, Lu Jianlan. (2024) Shanghai Can Pioneer Digital Identity (DID) Applications in Cross-border Scenarios [J]. Shanghai Development and Reform Research Institute, 2024(5) (Government Internal Reference)

[7] Lu, F., Huang, H., Cai, Z., & Chen, J. (2025). Lightweight data protection framework for secure edge transmission using IOTA-MAM. Science Progress, 108(4). (JCR Q2)

Research Projects

[1] Principal Investigator, Macau Foundation Project: Multi-perspective Feasibility Policy Research on Building a Pilot for Cross-border Data Transmission Security Management in Hengqin (Data Enclave) (G01156-2309-262). Completed.

[2] Principal Investigator, Group Standard Development: "Technical Requirements for Digital Identity Authentication Based on Privacy Protection". Led by Guangzhou University, Beijing University of Posts and Telecommunications, and Sino-Western Innovative College. Formulated at the request of the Standardization Working Committee of China Association of International Economic and Technical Cooperation. Completed.

[3] Macau Science and Technology Development Fund Project: "Cross-border Data Security Monitoring and Digital Identity Authentication in Hengqin". Principal Investigator. Project ongoing.

News Coverage

[1] On February 14, 2025, Macao Daily reported on "Macau Millennium College Launches Cross-border Data Research," featuring a special report on cross-border digital identity research with Academician Fang Binxing and the published collaborative paper.