Mengchu Zhou
Distinguished Professor
Electrical and Computer Engineering
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Research interests

Dr. Zhou´s research interests focus on Computer-Integrated Manufacturing, Intelligent Automation, Petri Nets, Neural Network for tool wear measurement, Fuzzy Logic for process control, Computer Network and Interface, Discrete Event Control and Simulation, and Flat-Panel Display manufacturing.

Qualifications

Computer & Systems Engineering, Ph. D., Rensselaer Polytechnic Institute
… → 1990

Automatic Control, M. S., Beijing Institute of Technology
… → 1986

Electrical Engineering, B. S., East China University of Technology
… → 1983

Director, MS Program in Power and Energy Systems, Electrical and Computer Engineering
2013 → …

Director, the MS Program in Computer Engineering
2013 → …

Director, Discrete Event Systems Laboratory, Electrical and Computer Engineering
1995 → …

Employment

Distinguished Professor
Electrical and Computer Engineering
New Jersey Institute of Technology
Jul 8 1990 → Dec 31 2049

Professor
Professor
Electrical and Computer Engineering
New Jersey Institute of Technology
Jan 1 2000 → Dec 31 2012

Associate Professor
Associate Professor
Electrical and Computer Engineering
New Jersey Institute of Technology
Jan 1 1995 → Dec 31 1999

Assistant Professor
Assistant Professor
Electrical and Computer Engineering
New Jersey Institute of Technology
Jan 1 1990 → Dec 31 1994

Research Assistant
Rensselaer Polytechnic Institute
United States

Jan 1 1987 → Jan 1 1990

Software Engineer
Institute for Computer Application
China
Jan 1 1985 → Jan 1 1987

Research Assistant
Beijing Institute of Technology
China
Jan 1 1983 → Jan 1 1985

Research outputs

An Improved Discriminative Model Prediction Approach to Real-Time Tracking of Objects with Camera as Sensors
Zhang, L., Han, H., Zhou, M., Al-Turki, Y. & Abusorrah, A., Aug 1 2021, In: IEEE Sensors Journal. 21, 15, p. 17308-17317 10 p., 9427555.

Information-Utilization-Method-Assisted Multimodal Multiobjective Optimization and Application to Credit Card Fraud Detection
Han, S., Zhu, K., Zhou, M. & Cai, X., Aug 2021, In: IEEE Transactions on Computational Social Systems. 8, 4, p. 856-869 14 p., 9387114.

Pushing Artificial Intelligence to the Edge: Emerging trends, issues and challenges
Fortino, G., Zhou, M. C., Hassan, M. M., Pathan, M. & Karnouskos, S., Aug 2021, In: Engineering Applications of Artificial Intelligence. 103, 104298.

Disassembly Sequence Planning: A Survey
Guo, X., Zhou, M., Abusorrah, A., Alsokhiry, F. & Sedraoui, K., Jul 2021, In: IEEE/CAA Journal of Automatica Sinica. 8, 7, p. 1308-1324 17 p., 9269520.

Sparse Regularization-Based Fuzzy C-Means Clustering Incorporating Morphological Grayscale Reconstruction and Wavelet Frames
Wang, C., Pedrycz, W., Zhou, M. & Li, Z., Jul 2021, In: IEEE Transactions on Fuzzy Systems. 29, 7, p. 1826-1840 15 p., 9067059.