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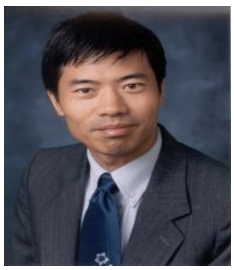

Academic Qualification:

Ph. D. in Computer & Systems Eng., Rensselaer Polytechnic Institute, Troy, NY, 1990
M. S. in Automatic Control, Beijing Institute of Technology, Beijing, China, 1986
B. S. in Control Engineering, Nanjing Univ. of Sci. & Tech., Nanjing, China, 1983

Teaching Area

Research Area

Intelligent automation, Petri nets, Internet of Things, semiconductor manufacturing, Web service, workflow, big data, learning algorithms and systems, transportation, and energy systems.

Working Experience

Macau University of Science and Technology, Professor at the Institute of Systems Engineering 2014- present

New Jersey Institute of Technology, Distinguished Professor in Electrical and Computer Engineering 2013-present

Tongji University, Guest Professor in Computer Science and Technology 2010-2015
XiDian University, Guest Professor in Electro-Mechanical Engineering 2007-2010
Chinese Academy of Science, Guest Researcher in the Institute of Automation 2003-2005
New Jersey Institute of Technology, Professor in Electrical and Computer Engineering 2000-2013

New Jersey Institute of Technology, Associate Professor in Electrical and Computer Engineering 1990-1995

Academic Publication

Book

1. M. C. Zhou, H.-X. Li and M. Weijnen, Contemporary Issues in Systems Science and Engineering, IEEE Press/Wiley, Hoboken, NJ, 2015.
2. W. Tan and M. C. Zhou, Business and Scientific Workflows: A Service-Oriented Approach, IEEE Press/Wiley, Hoboken, NJ, 2013
3. N. Q. Wu and M. C. Zhou, System Modeling and Control with Resource-Oriented Petri Nets, CRC Press, New York, 2010. 312 pages, Control Engineering Series. ISBN: 1439808848.
4. Z. W. Li and M. C. Zhou, Modeling, Analysis and Deadlock Control of Automated Manufacturing Systems, Science Press, Beijing, China, 2009, 215 pages (李志武与周孟初, 自动制造系统建模、分析与死锁控制, 科学出版社, 北京, 2009).

5. Z. W. Li and M. C. Zhou, Deadlock Resolution in Automated Manufacturing Systems: A Novel Petri Net Approach, Springer, New York, 2009. 237 pages. Advances in Industrial Control Series. ISBN: 9781848822436.

6. B. Hruz and M. C. Zhou, Modeling and Control of Discrete Event Dynamic Systems, Springer, London, UK, 2007. 341 pages, Advanced Textbooks in Control and Signal Processing. ISBN: 9781846288722

7. M. C. Zhou and M. P. Fanti (Ed.), Deadlock Resolution in Computer-Integrated Systems, Marcel Dekker, New York, January 2005.

8. H. Zhu and M. C. Zhou, Object-Oriented Programming in C++: A Project-based Approach, Tsinghua University Press, November 2005.

9. M. C. Zhou and K. Venkatesh, Modeling, Simulation and Control of Flexible Manufacturing Systems: A Petri Net Approach. World Scientific, Singapore, 1998.

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11. Sodhi, R. (Ed.), M. C. Zhou and S. Das (Assistant Eds.), Advances in Manufacturing Systems: Modeling, Design and Analysis, Elesevier Scientific Publishers: Amsterdam, The Netherlands, 1994.

12. M. C. Zhou and F. DiCesare, Petri Net Synthesis for Discrete Event Control of Manufacturing Systems. Kluwer Academic Publishers, London, UK, 1993.

Book Chapters

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2. Zhou, M. C. and A. D. Robbi, "Applications of Petri net methodology to manufacturing systems," in Computer Control of Manufacturing Systems, S. Joshi and G. Smith (eds.), Chapman and Hall, 307-330, 1994.

3. Zhou, M. C. and R. Zurawski, "Introduction to Petri Nets in Flexible and Agile Automation," in Petri Nets in Flexible and Agile Automation, M. C. Zhou (Ed.), Kluwer Academic Publishers, Boston, MA, 1-42, 1995.

4. Venkatesh, K., M. C. Zhou and R. J. Caudill, "Discrete-Event Control Design for Manufacturing Systems via Ladder Logic Diagrams and Petri Nets: A Comparative Study," in Petri Nets in Flexible and Agile Automation, M. C. Zhou (Ed.), Kluwer Academic Publishers, Boston, MA, 289-332, 1995.

5. Zurawski, R. and M. C. Zhou, "Functional and Behavioral Modeling of Automated Manufacturing Systems," in Handbook of Industrial Electronic Engineering, CRC Press, 1996, 669-676.

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[illegible] in Manufacturing, Edited by J. Campos, C. Seatzu, and X. Xie, Taylor and Francis, NY, pp. 553-569, 2013.

[illegible] Building Sensor Networks from Design to Applications, CRC Press, Edited by I. Nikolaidis and K. Iniewski, pp. 141-157, 2014.

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Professional Certification and Awards

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[illegible] 9-11, 2015

2014 Highly cited scholar in engineering by Web of Science/Thomson Reuters

2013 Distinguished Service Award, IEEE Robotics and Automation Society, May 2013.

2012 Top one of 2012 most highly cited scholars in engineering globally by Web of Science/Thomson Reuters (http://community.thomsonreuters.com/t5/InCites-Customer-Forum/Preliminary-publication-of-new-lists-of-Highly-Cited-Researchers/td-p/36685)

[illegible]

2012 Saul K. Fenster Innovation in Engineering Education Award, Newark College of Engineering, New Jersey Institute of Technology

2010 Franklin V. Taylor Memorial Award, IEEE Systems, Man, and Cybernetics Society.

2005-2011 and 2015-present, Distinguished Lecturer, IEEE Systems, Man and Cybernetics Society.

[illegible] Automation Society.

2004 Outstanding Contribution Award, IEEE Systems, Man and Cybernetics Society

2001 Asian American Achievement Award in the category of Professional and Academic Achievements, Asian American Heritage Council of New Jersey.

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2000 Humboldt Research Award for US Senior Scientists, Alexander von Humboldt Foundation, Germany

2000 Leadership Award, Chinese Association for Science & Technology - USA

1996 Harlan J. Perlis Award for Research, New Jersey Institute of Technology

1994 Computer-Integrated Manufacturing UNIVERSITY-LEAD Award by Society of Manufacturing Engineers (LEAD=Leadership and Excellence in the Application and Development of integrated manufacturing)

1994 Outstanding Service Award by Chinese Association for Science & Technology - USA

Professional Society Membership

Fellow of IEEE, IEEE Systems, Man, and Cybernetics Society, IEEE Robotics and Automation Society, and IEEE Control Systems Society.

Fellow, American Association for the Advancement of Science (AAAS)

Fellow, International Federation of of Automatic Control (IFAC)