
Professor Dr. MIN-REN YAN

Dean, Institute for Innovation Economy and MBA Program in Practicing,
Chinese Culture University.

President, Taiwan Chapter of System Dynamics Society, NY, USA.

Address: No. 231, Sec. 2, Jian-guo S. Rd., Da-an District, Taipei City 106,
Taiwan (R.O.C)

Email: ymrs@faculty.pccu.edu.tw



Professor Min-Ren Yan is the Dean of Institute for Innovation Economy and MBA Program in Practicing at Chinese Culture University and the President of Taiwan Chapter of System Dynamics Society. Prof. Yan has been a Visiting Scholar and Teaching Staff at Northwestern University (NU), Visiting Associate Professor at Cornell University in USA, Adjunct Professor in world universities such as Far Eastern Federal University in Russia, University of Basilicata in Italy, DGIST Open Innovation Academy in Korea, Central University of Finance and Economics and Nanjing University in China. He is served as policy advisor to many government agencies for the policy research and implementation on the industrialized innovations and sustainable developments of national/regional/city governance system in Taiwan (including industry parks and science parks, ranked by WEF as the Top 1 industrial cluster). As a researcher, Prof. Yan is a SSCI/SCI Journal editor and frequent contributor to SSCI/SCI/EI journals in Economics, Business, and Management fields. His research articles appear in the journals with ISI World Ranking as Top 3 in Economics, Top 4 in Business category and Top 6 in Computer Science category. As an economics and innovation policy consultant for United Nations Development Programme (UNDP) and Asian Productivity Organization (APO) in Tokyo, he is the Executive President of iiLABs at Global Entrepreneurship and Innovation Academy (USA) working with Sustainable Development Goals and practical Sustainable System Development (SSD) education supporting governmental agencies and diverse industries to innovations and regional developments in Asia and the global value communities.

EDUCATION:

- Postdoctoral research, McCormick School of Engineering and Applied Science, Northwestern University, USA, 2013-2015.
- Ph.D., major in Engineering Management and Decision Science, National Kaohsiung First University of Science & Technology (NKFUST), Taiwan, 2007.
- Affiliated Researcher, Project Management Center for Excellence, University of Maryland, College Park, USA, 2006.

ACADEMIC POSITIONS & SERVICES:

- Tenured Professor, College of Business, Chinese Culture University, Taiwan. (2017 to present)
 - Vice President for research and development, Chinese Culture University. (2019 to 2021)
-

-
- Dean, Institute for Innovation Economy, Chinese Culture University. (2019 to present)
 - Faculty Director, Master Program of Business Administration in Practicing, College of Business, Chinese Culture University. (2015 to present)
 - President, Taiwan Chapter of the System Dynamics Society. (2021 to present)
 - Associate Editor, Knowledge Management Research & Practice (SSCI), UK. (2017 to present)
 - Visiting Associate Professor, Cornell University, Ithaca, New York, USA. (2016)
 - Visiting Scholar, Master of Project Management Program, Northwestern University (NU), Chicago & Evanston, IL, USA. (Spring Quarter & Summer Quarter in 2014)
 - Adjunct Professor, School of Business, Nanjing University, China. (2014)
 - Visiting Professor, School of Economics, Jinan University, China. (2011 to 2013)
 - Adjunct Professor, School of Management, Nanjing Audit University, China. (2012 to 2016)
 - Guest Research Fellow, Science & Technology Policy Research and Information Center, National Applied Research Laboratories, Taiwan. (2010 to present)
 - Tenured Associate Professor, Graduate Institute of International Business Administration, Chinese Culture University, Taiwan. (2013 to 2017)
 - Assistant Professor, Graduate Institute of International Business Administration, Chinese Culture University, Taiwan. (2009-2012)
 - Journal paper reviewer: International Journal of Strategic Property Management (SSCI), Journal of Business Economics and Management (SSCI), Economic Modelling (SSCI), Sustainability (SSCI/SCI), Quality & Quantity (SSCI/SCI), Knowledge Management Research & Practice (SSCI), Journal of Management in Engineering-ASCE (SCI), Journal of Construction Engineering and Management-ASCE (SCI), Journal of Testing and Evaluation (SCI), Journal of Environmental Management (SCI), Resource Conservation and Recycling (SCI), Automation in Construction (SCI), Journal of Civil Engineering and Management (SCI), The World Scientific Journal (SCI), Energy (SCI), Water (SCI), Advances in Information Sciences and Service Sciences (EI), Advanced Materials Research (EI), Energy Procedia (EI).

GOVERNMENTAL & INDUSTRIAL EXPERIENCE:

- Policy Consultant, United Nations Development Programme (UNDP).
 - Chief Expert, Asian Productivity Organization (APO), Japan.
 - Policy Consultant, Taipei City Government.
 - Government Policy Committee Member, Ministry of Science and Technology in Taiwan.
 - Program Leader for Industrial Park-based Innovation Ecosystem Development, Ministry of Economic Affairs in Taiwan.
 - Government-appointed Business Consultant, Mainland Affairs Council, Executive Yuan in Taiwan.
 - President, Taiwan Chapter of the System Dynamics Society.
 - Chief Quality Officer (CQO), School of Continuing Education, Chinese Culture University.
-

(2011 to 2019)

- Board Member, Chinese Language Education and Development Foundation. (2015 to present)
- Chief Operating Officer (COO), School of Continuing Education, Chinese Culture University. (2012-2014)
- Secretary-general, Association of Continuing Education of Colleges and Universities in Taiwan (ACECUT) (2013-2015)
- Cofounder of Strategy Dynamics Analyst Program and the Master Trainer, Strategy Dynamics Ltd., UK.
- Board Certified Coach (BCC) and the Trainer, Center for Credentialing and Education, Inc., USA.
- Industry Analyst, certified by Asia Pacific Industrial Analysis Association (APIAA).
- Director, Department of Foreign Affairs, Neter Web Technology Ltd.
- Delegated Director of Human Resource Development Programs for Government Agencies.
- Business Consultant for web-technology and service industries.

AWARDS & HONORS:

- Distinguished Talents Award from the Ministry of Science and Technology. (2015-2020)
- Affiliated Scholar Award and Outstanding Young Scholar Research Foundation from the National Science Council, Executive Yuan in Taiwan. (three times awards received: 2008, 2010, 2013)
- Marquis Who's Who Lifelong Achievement Awards, USA. (2020)
- IBC World Top 100 Educator, Cambridge, UK. (2018)
- Top 1% Teaching Excellence & Outstanding Faculty Award, Chinese Culture University. (2013).
- Outstanding Teaching Award in School of Continuing Education, Chinese Culture University (two times awards received: 2010 and 2013).
- Annual Outstanding Research Award from the Chinese Institute of Civil and Hydraulic Engineers. (2008)
- Outstanding Alumni, National Kaohsiung First University of Science and Technology. (2013)
- Nominated in The Phi Tau Phi Scholastic Honor Society of the Republic of China. (2014)

TEACHING & COURSES :

- Courses in PhD programs (in English and Chinese):
 - Seminar on International Business Strategy (3 credits)
 - Seminar on Business Dynamics and Decision Making (3 credits)
 - Seminar on Cross Cultural Management (3 credits)
 - Seminar on Leadership & Management (3 credits)
 - Seminar on Research methods (3 credits)
 - Courses in MBA programs (in English):
-

- Operations Management (2 credits)
- International Business Management (3 credits)
- Courses in EMBA/MBA programs (in Chinese and English):
 - International Business Strategy (3 credits)
 - Entrepreneurial Business Strategies and Development (2 credits)
 - Operations Management and Innovations (3 credits)
 - Decision Theory and Behavior (3 credits)
 - Managerial Economics (3 credits)
 - System Dynamics for Business Applications (3 credits)
 - Value-based Leadership and Management Practice (2 credits)
- Courses at undergraduate level (in Chinese):
 - Innovation & Entrepreneurship in Practices (3 credits)
 - Managerial Economics & Decision Analysis (3 credits)
 - Economics (3 credits)

RESEARCH & PUBLICATIONS :

- Refereed Journal Papers (selected):
1. **Yan, M.R.***, Hong, L.Y., Warren, K. (2021). Integrated Knowledge Visualisation and Enterprise Digital Twin System for Supporting Strategic Management Decision. *Management Decision*. In Press. **(SSCI)**
 2. Hsueh, S.L., Zhou, B., Chen, Y.L., **Yan, M.R.*** (2021). Supporting Technology-enabled Design Education and Practices by DFuzzy Decision Model: Applications of Cultural and Creative Product Design. *International Journal of Technology and Design Education*, published online. **(SSCI)**.
 3. **Yan, M.R.**, Yan, H.Y., Zhan, L.Y., Yan, X.Y., Xu, M.E. (2020). Evaluation of Technological Innovations and the Industrial Ecosystem of Science Parks in Shanghai-An Empirical Study. *Science, Technology, and Society*, 25(3), 482-504. **(SSCI)**.
 4. Yang, T.K., **Yan, M.R.***, 2020, The Corporate Shared Value for Sustainable Development: An Ecosystem Perspective, *Sustainability*, 12(6), 1-16. **(SSCI/SCI)**
 5. Yun, J.J., Kim, D.C., **Yan, M.R.**, 2020, Open Innovation Engineering—Preliminary Study on New Entrance of Technology to Market, *Electronics*, 9(5), 791. **(SCI)**
 6. **Yan, M.-R.*** and Lee, Y.-H. (2020), "Measuring project performance and dynamic risk management for engineering design alliance", *Measuring Business Excellence*, Vol. ahead-of-print No. ahead-of-print. (Scopus)
 7. Hsu, C.-L., Pan, Y.-J., Yan, Q.-W. and **Yan, M.-R.** (2020), "Key factors influencing word-of-mouth intentions: the case of college freshmen in Taiwan", *Measuring Business Excellence*, Vol. ahead-of-print No. ahead-of-print. (scopus)
 8. **Yan, M.R.***, Tran-Danh, N., Hong, L.Y., 2019, Knowledge-based decision support system for improving e-business innovations and dynamic capability of IT project management. *Knowledge Management Research & Practice*, 17(2), 125-136. **(SSCI)**.
-

9. Yang, T.K., **Yan, M.R.***, 2019, Exploring the Enablers of Strategic Orientation for Technology-driven Business Innovation Ecosystem, *Sustainability*, 11(20), 5779. **(SSCI/SCI)**
10. Hsueh, S.L., Sun, Y., **Yan, M.R.***, 2019, Conceptualization and Development of a DFuzzy Model for Low-Carbon Ecocities, *Sustainability*, 11(20), 5833. **(SSCI/SCI)**
11. Webb, H., Liu, S., **Yan, M.R.***, 2019, Evaluation of M-Payment Technology and Sectoral System Innovation—A Comparative Study of UK and Indian Models, *Electronics*, 8(11), 1282. **(SCI)**
12. Yan, M.R., Chi, H.L., Yang, J.Y., Chien, K.M. (2019). Towards a City-based Cultural Ecosystem Service Innovation Framework as Improved Public-Private-Partnership Model-A Case Study of Kaohsiung Dome. *Journal of Open Innovation: Technology, Market, and Complexity*, 5(4), 85. (Scopus).
13. Yan, M.R., Wang, C.H., Jose Cruz Flores, N., Su, Y.Y. (2019, Jan). Targeting Open Market with Strategic Business Innovations: A Case Study of Growth Dynamics in Essential Oil and Aromatherapy Industry. *Journal of Open Innovation: Technology, Market, and Complexity*, 5(1), 7. (Scopus).
14. Lee, Y.H., **Yan, M.R.** (2019). Factors Influencing Agents' Bargaining Power and Collaborative Innovation. *Asia Pacific Journal of Marketing and Logistics*. 31(2), 559-574. **(SSCI)**.
15. Liu, S., **Yan, M.R.*** (2018, Nov). Corporate Sustainability and Green Innovation in an Emerging Economy—An Empirical Study in China. *Sustainability*, 10, 3998. **(SSCI/SCI)**.
16. MinHwa Lee, JinHyo Joseph Yun, Andreas Pyka, DongKyu Won, Fumio Kodama, Giovanni Schiuma, HangSik Park, Jeonghwan Jeon, KyungBae Park, KwangHo Jung, **Yan, M.R.**, SamYoul Lee and Xiaofei Zhao (2018, Jun). How to Respond to the Fourth Industrial Revolution, or the Second Information Technology Revolution? Dynamic New Combinations between Technology, Market, and Society through Open Innovation. *Journal of Open Innovation: Technology, Market, and Complexity*, 4(3), 21. (Scopus).
17. **Yan, M.R.***, Chien, K.M., Hong, L., Yang, T.N. (2018, Jun). Evaluating Collaborative Ecosystem for Innovation-driven Economy: A Systems Analysis and Case Study of Science Parks. *Sustainability*, 10(3), 887. **(SSCI/SCI)**.
18. **Yan, M.R.*** (2018, Mar). Improving Entrepreneurial Knowledge and Business Innovations by Simulation-based Strategic Decision Support System. *Knowledge Management Research & Practice*, 16(2), 173-182. **(SSCI)**.
19. Yan, M.R.*, 2018, Improving Entrepreneurial Knowledge and Business Innovations by Simulation-based Strategic Decision Support System, *Knowledge Management Research & Practice*, article in press. (SSCI)
20. Yan, M.R., Chien, K.M., Hong, L., Yang, T.N., 2018, Evaluating Collaborative Ecosystem for Innovation-driven Economy: A Systems Analysis and Case Study of Science Parks, *Sustainability*, article in press. (SSCI/SCI)
21. Yan, M.R.*, 2017, Strategic Product Innovations and Dynamic Pricing Models in

-
- Oligopolistic Market, *Journal of Scientific & Industrial Research*, 76, 284-288. (SCI)
22. Yan, M.R.*, Chien, K.M., Yang, T.N., 2016, Green Component Procurement Collaboration for Improving Supply Chain Management in the High Technology Industries: A Case Study from the Systems Perspective, *Sustainability*, 8, 105. (SSCI/SCI)
 23. Yan, M.R.*, 2015, Project-based Competition and Policy Implications for Sustainable Development in Building and Construction Sectors, *Sustainability*, 7, 15423-15448. (SSCI/SCI)
 24. Yan, M.R.*, 2014, Resource-based Optimization Model for Dynamic Project Planning and Cost Management, *Applied Mathematics & Information Sciences*, article in press. (SCI)
 25. Shen, K.Y., Yan, M.R., Tseng, G.H., 2014, Combining VIKOR-DANP Model for Glamour Stock Selection and Stock Performance Improvement. *Knowledge-Based Systems*, Vol. 58, 86-97. (SCI).
 26. Yan, M.R., Chien, K.M., 2013, Evaluating the Economic Performance of High-Technology Industry and Energy Efficiency: A Case Study of Science Parks in Taiwan. *Energies*, Vol. 6, No. 2, 973-987. (SCI).
 27. Hsueh, S.L., Yan, M.R.*, 2013, A Multi-Methodology Contractor Assessment Model for Facilitating Green Innovation—the View of Energy and Environmental Protection. *The Scientific World Journal*, Vol. 2013, 14 pages. (SCI)
 28. Yan, M.R.* and Yang, Tai-Ning, 2012, Dynamic Gaming and Risk-Incorporated Bargaining Decision Support Model for Strategic Alliance Projects, *Applied Mathematics & Information Sciences*, Vol. 6, No. 2S, 683-690. (SCI)
 29. Yan, M.R.*, 2011, A Fuzzy Logic Enhanced Bargaining Model for Business Pricing Decision Support in Joint Venture Projects, *Journal of Business Economics and Management*, Taylor & Francis, Vol. 12, No. 2, 234-247. (SSCI)
 30. Yan, M.R.*, Pong, C.S, Lo, W, 2011, Utility-Based Multicriteria Model for Evaluating BOT Projects, *Technological and Economic Development of Economy*, Taylor & Francis, Vol. 17, No. 2, 207-218. (SSCI) (Leading Article)
 31. Hsueh, S.L. and Yan, M.R.*, 2011, Contribution-Based Profit Sharing Method for Joint Ventures, *Technological and Economic Development of Economy*, Taylor & Francis, Vol. 17, No. 3, 445-458. (SSCI)
 32. Yan, M.R.*, 2011, Risk Assessment and Transaction Cost Incorporated Budgeting for Construction Joint Ventures, *Advanced Materials Research*, Vols. 255-260, 3878-3882. (EI) (NSC 99-2628-E-034 -001-)
 33. Yan, M.R.*, 2011, Multi-Criteria Decision Model for BOT Project Selection, *Computational Risk Management, Modeling Risk Management in Sustainable Construction*, Springer, Vol. 3, 123-131. (SCI)
 34. Hsueh, S.L. and Yan, M.R.*, 2011, Enhancing Sustainable Community Developments: A Multi-criteria Evaluation Model for Energy Efficient Project Selection, *Energy Procedia*, Elsevier, Vol. 5, 135-144. (EI)
 35. Shen, K.Y. and Yan, M.R., 2010, A Hybrid Value Investing Method for the Evaluation of Banking Stocks, *International Journal of Trade, Economics, and Finance (IJTEF)*, Vol. 1, No. 3, 277-282.
 36. Pong, C.S., Lo, W., and Yan, M.R., 2010, Lessons Learned from Non-self Financing Ability BOT Projects: Large-scale Rail Transportation Systems in Taiwan, *Journal of Information and Optimization Sciences*, Vol. 31, No. 5, 1137-1159. (EI)
-

37. Lo, W. and Yan, M.R.*, 2009, Evaluating Qualification-Based Selection System: A Simulation Approach, *Journal of Construction Engineering and Management*, ASCE, Vol. 134, No. 6, 458-465. (SCI)
 38. Lo, W. and Yan, M.R.*, 2008, Effects of Design-Build Delivery System on the Construction Industry: A Market Perspective, *Journal of Construction Procurement*, Vol. 14, No. 2, 98-107.
 39. Lo, W., Lin, C.L., Yan, M.R., 2007, Contractor's Opportunistic Bidding Behavior and Equilibrium Price Level in Construction Market, *Journal of Construction Engineering and Management*, ASCE, Vol.133, No.6, 409-416. (SCI)
 40. Perng, Y.H., Hsueh, S.L., Yan, M.R., Lee, J.R., 2007, On-Line Multi-Criterion Risk Assessment Model of Construction Joint Ventures in China, *Automation in Construction*, Vol.16, No.5, 607-619. (SCI)
 41. Lo, W., Lin, C.L., Yan, M.R.*, 2006, Effects of Contractor's Opportunistic Bidding on the Price Level in Public Construction Market, *Journal of Chinese Institute of Civil and Hydraulic Engineering*, Vol.18, No.4, 336-348.(EI) (best paper award)
 42. Perng, Y.H., Hsueh, S.L., Yan, M.R., 2005, Evaluation of Housing Construction Strategies in China Using Fuzzy-Logic System, *International Journal of Strategic Property Management(IJSPM)*, Vol. 9, No. 4, 215-232. (SSCI)
 43. Lin, C.L. and Yan, M.R., 2005, A System Dynamics Simulation Model for Evaluating the Growing Pattern of Construction Firms in Taiwan, *Chung Hua Journal of Architecture* , Vol. 1, 13-24.
 44. Yan, M.R., Lo, W., Lin, C.L., and Tsai, T.F., 2004, Evaluation of Design-Build Delivery Method for Public Projects-the Case of Taiwan Incineration Plants, *Journal of Chinese Institute of Civil and Hydraulic Engineering*, Vol. 16, No. 3, 415-424. (EI)
-