



Curriculum Vitae

ChunI Chen

Title and Department

Professor, Department of Industrial Management

Director, Center of General Education

Education

Ph.D. in Mechanical Engineering, National Cheng Kung University, Tainan, Taiwan, June 2003

M.S. in Mechanical Engineering, National Taiwan University, Taipei, Taiwan, July, 1995

B.S. in Agricultural Mechanical Engineering, National Chung Hsing University, Tai-Chung, Taiwan, June 1993

Experience

Professor and Director (July, 2015~Now)

Department of Industrial Management, College of Management, I-Shou University
and Center of General Education

Professor and Chair (August, 2011~July, 2014)

Department of Industrial Management, College of Management, I-Shou University

Professor (February, 2010~Now)

Department of Industrial Management, College of Management, I-Shou University

Associate Professor (February, 2007~ February, 2010)

Department of Industrial Management, College of Management, I-Shou University

Assistant Professor (August, 2003~ February, 2007)

Department of Industrial Management, College of Management, I-Shou University

Inspector (September, 2001~ July, 2003)

Manufacturing Industries Division, Southern Labor Inspection Office, Council of Labor Affair,
Kaohsiung, Taiwan

Engineer (January, 1999~ August, 2001)

Second Division, Southern District Waste Management Plant, Department of Environment Protection,
Kaohsiung City Government , Kaohsiung, Taiwan.

Associate Engineer (June, 1997~ January, 1999)

Casting Division, Metal Industries Research and Development Center, Kaohsiung, Taiwan

Research Interests

Grey theory, Industrial Safety, Computer Graphics, Forecasting Science



Publications (2010 – 2015)

Refereed Journal Papers

Hsiao-Kang Lin, **Chun-I Chen**, Nai-Chieh Wei, "Enterprise Interoperability for Global Collaborative Networks through Cloud Knowledge-Oriented Collaboration System", *Journal of Global Economics*, vol. 3, no. 2, pp. 140, 2015.08

Hsiao-Kang Lin, **Chun-I Chen**, "Cloud-Based Knowledge Service for Global Enterprise Collaboration", *Journal of Stock and Forex Trading*, vol. 4, no. 2, 2015.07

Pei-Han Hsin, **Chun-I Chen**, "Application of Game Theory on Parameter Optimization of the Novel Two-Stage Nash Nonlinear Grey Bernoulli Model", *Communications in Nonlinear Science and Numerical Simulation*, vol. 27, pp. 1680174, 2015.06,(published online)

ChunI Chen, "Mediating effects on health-related quality of life in adults with osteoporosis: a structural equation modeling", *Osteoporosis International* , vol. 26, no. 3, pp. 875-883, 2015.03

Chen CI, "Application of Grey Theory to the Field of Economic Forecasting", *Journal of Global Economics*, vol. 3, no. 1, pp. 131, 2015.03

Tzu-Jou Liao, **Chun-I Chen**, Yu-Ming Chiang, Te-Kang Lin, "Applying Kansei Engineering and Fuzzy Comprehensive Evaluation for the Design of Kitchen Island", *Journal of Quality*, vol. 22, no. 1, pp. 57-73, 2015.02

ChunI Chen, "Risk Factors and Coping Style Affect Health Outcomes in Adults With Type 2 Diabetes", *Biological Research for Nursing*,, pp. 1-8, 2015.02,(published online)

Pei-Han Hsin, **Chun-I Chen**, "The Evolution of Grey Forecasting and its Application on Stock Price", *Journal of Stock and Forex Trading*, vol. 3, no. 3, pp. 123-124, 2014.11

ChenI CHEN, Shou-Jen HUANG, "The Application of Discriminants to Avoid Erroneous GM(1,1) Prediction", *YMC Management Review*, vol. 7, no. 1, pp. 67-76, 2014.10

C-I Chen, "Mediating effects of social support and self-concept on depressive symptoms in adults with spinal cord injury", *Spinal Cord*, pp. 1-4, 2014.09, (published online)

C.I. Chen, M.C. Lin, C.K. Chen, "Surface instabilities on a thin power-law fluid during spin coating", *Journal of Mechanics*, vol. 30, no. 05, pp. 505-513, 2014.10

Shou-Jen Huang, **ChunI Chen**, "The Solutions Apply for Erroneous Grey Prediction", *Journal of Grey System*, vol. 16, no. 4, pp. 259-266, 2013.12



Chun-I Chen, Shou-Jen Huang, "NOVEL INVESTMENT STRATEGIES IN STOCK MARKET: THE APPLICATION OF EXTENTICS AND GREY THEORY", *The International Journal of Organizational Innovation*, vol. 6, no. 1, pp. 128-149, 2013.07

Yinwei Lin, **Chun-I Chen**, Cha'o-Kuang Chen, "Unsteady Unidirectional Flow of Bingham Fluid through the Parallel Microgap Plates with Wall Slip and Given Inlet Volume Flow rate Variations", *Journal of Mechanics*, vol. 29, no. 2, pp. 355 - 362, 2013.06

Hong Long Chen, **Chun-I Chen**, Che-Hung Liu, Nai-Chieh Wei, "Estimating a project's profitability: A longitudinal approach", *International Journal of Project Management*, vol. 31, no. 3, pp. 400-410, 2013.04

Ming-Che. Lin, **Chun-I Chen**, Shou-Jen Huang, "Weakly Nonlinear Stability Analysis of a Thin Power-law Fluid during Spin Coating", *Applied Mechanics and Materials*, vol. 319, pp. 90-95, 2013.03

Chun-I Chen, Shou-Jen Huang, "The Necessary and Sufficient Condition for GM(1,1) Grey Prediction Model", *Applied Mathematics and Computation*, vol. 219, no. 11, pp. 6152–6162, 2013.02

Yinwei Lin, **Chun-I Chen**, Cha'o-Kuang Chen, "The Effect of Wall Slip Condition on the Transient Flow of Oldroyd-B Fluid under given inlet Volume flow rate Variations ", *JOURNAL OF THE CHINESE SOCIETY OF MECHANICAL ENGINEERS*, vol. 33, no. 4, pp. 341-347, 2012.08

C. K Chen, M. C. Lin, **C. I Chen**, "Stability Analysis of a Thin Micropolar Fluid Flowing on a Rotating Circular Disk", *Journal of Mechanics*, vol. 27, no. 1, pp. 9-20, 2011.03

Wu-Yao Chiou, **Chun-I Chen**, Wen-Sheng Lu, "The Inverse Numerical Solutions of Nonlinear Heat Transfer Problem in Electrical Discharge Machining", *Numerical Heat Transfer, Past A: Applications*, vol. 59, no. 4, pp. 247-266, 2011.01

Chun-I Chen, Pei-Han Hsin, Chin-Shun Wu, "Forecasting Taiwan's major stock indices by the Nash nonlinear grey Bernoulli model", *Expert Systems and Applications*, vol. 37, no. 12, pp. 7557–7562, 2010.12

Jiann-Lin Chen, **Chun-I Chen**, Li-Ming Chu, "An Algorithm for Predicting Attitudes of Floating Bodies with Arbitrary Configurations in Liquids", *Journal of Marine Science and Technology-Taiwan*, vol. 18, no. 6, pp. 867-874, 2010.12

Conference Presentations



Nguyen Thi Anh Loan, Chun-I Chen, Pei-Han Hsin, Huang Gui Fang, "Analysis and forecasts demand for telecom services in Vinh Long, Vietnam in the period of 2015-2020", *2014 International Conference on Grey System and Kansei Engineering (IGSKE 2014)*, 遠東科技大學(Far East University, Tainan), 2014.12

Nguyen Kien Nghiep, Shou-Jen Huang, Chun-I Chen, Pei-Han Hsin, "Forecasting of Rice Export of Vinh Long Import – Export Joint Stock Company in Vietnam in 2015 -2020", *2014 International Conference on Grey System and Kansei Engineering (IGSKE 2014)*, 遠東科技大學(Far East University, Tainan), 2014.12

Chun-I Chen, Shou-Jen Huang, "The Investigation of Solutions for Erroneous Grey Prediction ", *2013 International Conference on Grey System Theory and Kansei Engineering Conference (GSAKE 2013)*, 台中(Tai-Chung), 2013.12

Ming-Che. Lin, **Chun-I Chen**, Shou-Jen Huang, "Weakly Nonlinear Stability Analysis of a Thin Power-law Fluid During Spin Coating", *The 2013 2nd International Conference on Chemical, Mechanical and Materials Engineering (CMME 2013)*, Melbourne,Australia., 2013.01

Shou-Jen Huang, **Chun-I Chen**, "The Forecasting of Taiwan's unemployment rate by Grey Theory with Singular Raw Data", *2012 4th International Conference on Environmental Science and Information Application Technology* , Bali, Indonesia, 2012.12

Shou-Jen Huang, **Chun-I Chen**, "Examining Raw Data Pattern to Prevent GM(1,1) from Erroneous Prediction", *2012 Third International Conference on Theoretical and Mathematical Foundations of Computer Science* , Bali, Indonesia, 2012.12

Chun-I Chen, Pei-Han Hsin, "Forecasting Taiwan's Gross Domestic Product by the Topological Nonlinear Grey Bernoulli Model", *The 7th International Conference on Natural Computation*, Shanghai, China, 2011.07

Pei-Han Hsin, Shu-Ching Wang, Chun-I Chen, "Forecasting Gross Domestic Product by the Nonlinear Grey Bernoulli Model", *The 2010 international Conference on Innovation and Management*, Penang, Malaysia, 2010.07

Affiliations and Professional Services

Editor, Journal of Global Economics

Journal of Stock & Forex Trading

The Journal of Chinese Society of Mechanical Engineers

Journal of Grey System

Reviewers for Expert Systems With Applications, Applied Computational Intelligence and Soft Computing, Journal of the Chinese Society of Mechanical Engineers, Artificial Intelligence in Medicine, Mathematical Problems in Engineering, Expert Systems, Journal of Applied Mathematics, Journal of Mechanics, Multidiscipline Modeling in Materials and Structures, Grey Systems: Theory



and Application, African Journal of Business Management, International Journal of Engineering, Science and Technology, Communications in Nonlinear Science and Numerical Simulations, Smart Materials Research, International Journal of Heat and Fluid Flow, IMA Journal of Mathematical Control and Information, Journal of Porous Media, Applied Mathematics and Computation.

Scholarships and Fellowships

N/A

Awards and Honors (2010-2015)

- ISU Teaching Excellence Award, I-Shou University, Kaohsiung, Taiwan, R. O. C. (2015)
- COM Teaching Excellence Award, College of Management, I-Shou University, Kaohsiung, Taiwan, R. O. C. (2015)
- COM Best Mentor Award, College of Management, I-Shou University, Kaohsiung, Taiwan, R. O. C. (2015)
- COM Teaching Excellence Award, College of Management, I-Shou University, Kaohsiung, Taiwan, R. O. C. (2014)
- The Best Paper Award, The 16th National Conference on Grey Theory and Application, Kaohsiung. (2011)
- ISU Best Mentor Award, I-Shou University, Kaohsiung, Taiwan, R. O. C. (2011)