

Min-Tsai Lai (賴明材)

Department of Business Administration Southern Taiwan University of Science and Technology No. 1, Nan-Tai Street, Yong Kang Dist., Southern Taiwan University of Science and Technology
Office L107
886-6-2533131 ext.5522
886-6-3010157
lai1962@stust.edu.tw



Education

- PhD, Industrial Engineering, National Tsing-Hua University, 1990/7.
- Master, Industrial Engineering, National Tsing-Hua University, 1986/7.
- B.S., Department of Statistics, National Cheng Kung University, 1984/7.

Area of Specialty

- Operations Research
- Statistical Application
- Operations Management

Academic Experience

- Professor, Department of Business Administration, Southern Taiwan University of Science and Technology, 2008/2 to present.
- Vice-President for Academic Affairs, Southern Taiwan University of Science and Technology, 2018/8 to 2022/1.
- Dean, Office of Academic Affairs, Southern Taiwan University of Science and Technology, 2014/8 to 2018/07.
- Dean, College of Business, Southern Taiwan University of Science and Technology, 2009/2 to 2014/07.
- Dean, College of Management, Southern Taiwan University of Science and Technology, 2008/7 to 2009/1.
- Associate Professor & Chairman, Department of Business Administration, Southern Taiwan University of Science and Technology, 2003/8 to 2008/1.
- Associate Professor, Department of Management and Information Technology, Southern Taiwan University of Science and Technology, 2003/1 to 2003/7.
- Associate Professor, Department of Industrial Management; Dean of the General Affairs Office, Southern Taiwan University of Science and Technology, 1998/8 to 2002/12.
- Associate Professor, Department of Industrial Management; Dean of the General Affairs Office, Nan-Tai Institute of Technology, 1996/8 to 1998/7.
- Associate Professor, Department of Industrial Engineering and Management, Dean of the General Affairs Office, Nan-Tai Junior College, 1996/2 to 1996/7.
- Associate Professor and Chairman, Department of Industrial Engineering and Management, Nan-Tai Junior College, 1992/8 to 1996/1.
- Associate Professor & Chairman, Department of Business Administration, Nan-Tai Junior College, Tainan, 1991/8 to 1992/7.
- Associate Professor, Department of Industrial Management, Chung Hua University, 1990/8 to 1991/7.
- Instructor, Department of Industrial Management, Van Nung Institute of Industry, 1988/8 to 1990/7.

Journal Papers

1. Chau-Jane Peng, Su-Yueh Su, Chia-Kai Su, Mei-Lan Lin, Chien-Chun Su, & Min-Tsai Lai,

- Planning and effectiveness of the university workplace health promotion program designed according to the Ottawa Charter, 南臺學報社會科學類, 第 5 卷第2期, pp.22-40, 2021
2. Berlilana Berlilana, Taqwa Hariguna, Min-Tsai Lai, Effects of Relationship Quality on Citizen Intention Use of E-government Services: An Empirical Study of E-government System, International Journal of Electrical and Computer Engineering, 8(6), pp.5127-5133, 2018.
 3. Min-Tsai Lai, A bivariate replacement policy for system in an increasing failure rate model with double repair cost limits, International Journal of Reliability and Safety, 11(3-4), pp.220-237, 2017. [EI] MOST 104-2410-H-218-012-MY2
 4. Min-Tsai Lai and Chung-Ho Chen, Optimal replacement period with cumulative repair cost limit under a cumulative damage model, International Journal of Industrial and Systems Engineering, 26(1), pp.133-147, 2017. [EI] MOST 104-2410-H-218 -012 -MY2
 5. Min-Tsai Lai, Chung-Ho Chen and Taqwa Hariguna, A bivariate optimal replacement policy with cumulative repair cost limit for a two-unit system under shock damage interaction, Brazilian Journal of Probability and Statistics, 31(2), pp.353-372, 2017. [SCI] MOST 103-2410-H-218-005.
 6. Taqwa Hariguna, Min-Tsai Lai, Chung-Wen Hung and Shih-Chih Chen, Understanding information system quality on public e-government service intention: an empirical study, International Journal of Innovation and Sustainable Development, 11(2-3), pp.271-290, 2017.
 7. Nguyen Xuan Tho, Min-Tsai Lai, Huey Yan, The Effect of Perceived Risk on Repurchase Intention and Word-of-Mouth in the Mobile Telecommunication Market: A Case Study from Vietnam, International Business Research, 10(3), pp.8-19, 2017.

Conference Papers

1. Yi-Shan Fang and Min-Tsai La, Exploring the Mechanism How University of Technology to Promote Overseas Study for Training International Talents --Taking the Case of STUST, 2022 Conference on Business Management Decision and Practice, 2022/05, Tainan, Taiwan.
2. Mei-Yin Wu and Min-Tsai Lai, The Influences of Experiential Marketing, Restaurant Service Quality on Experiential Value and Repurchase Intention- Example of Dongdong Restaurant Company, The 17th conference on service industry management and innovation, 2020/06, Tainan, Taiwan.
3. Min-Tsai Lai, Two-Criteria Replacement Policy with Cumulative Repair Cost Limit for Two-Unit System Subject to Failure Rate Interaction, 2018 Asia-Pacific Conference on Management and Business, 2018/09, Fukuoka, Japan.
4. Min-Tsai Lai, Two -Parameter (n,T) Replacement Policy with Repair Cost Limit under Cumulative Damage Model, 2018 Asia-Pacific International Symposium on Advanced Reliability and Maintenance Modeling (APARM 2018) & 2018 International Conference on Quality, Reliability, Risk, Maintenance, and Safety Engineering (QR2MSE 2018), 2018/08, Qingdao, Shandong, China.
5. Ren-Zhen, Guo and Min-Tsai Lai, The Relationship among Social Support, Locus of Control Personality Traits, Perceived Over-qualification and Intention to Stay, The 15th conference on service industry management and innovation, 2018/05, Tainan, Taiwan.

Dissertation

- Min-Tsai Lai (1990), "Studies on optimal replacement policies in terms of stochastic process methodologies," Ph.D. Dissertation, National Tsing-Hua University.

Professional Certifications

1. Business Intelligence Planners, No: BIP11CE00608, Chinese Enterprise Resource Planning Society, 2011/03.
2. MOS -Excel 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
3. MOS-Word 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.

4. MOS-PowerPoint 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
5. MOS-Outlook 2007 Expert, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
6. Microsoft Office 2007 Master, No: 6688601, Microsoft Corporation/Elite Information Technology Company, 2010/05.
7. IC3 Certification, CERTIPORT, 2009/10.

Professional Experience

1. Reviewer, Computational Economics, 2022/06 – 2022/07.
2. Reviewer, Journal of the Operational Research Society, 2022/03 – 2022/04.
3. Evaluation Committee of the College and University Teaching Quality Assurance Service Plan, Taiwan Assessment and Evaluation Association (TWAEA), 2022/03-2022/07.
4. Self-evaluation committee member, Department of Marketing and Circulation Management, Far East University, 2022/02 – 2022/03.
5. Reviewer, International Journal of Industrial Engineering--Theory, Applications and Practice, 2022/01 – 2022/02.
6. Director, Banyan Garden Statistics Cultural and Educational Foundation, 2022/01 – 2022/12.
7. External Reviewer of the Teacher Teaching Performance Review Committee, Far East University, 2021/11 – 2022/01.
8. Evaluation Committee of the Selection of Micro-course Achievements, Far East University, 2021/11 – 2021/12.
9. Evaluation Committee of the College and University Teaching Quality Assurance Service Plan, Taiwan Assessment and Evaluation Association (TWAEA), 2021/09-2022/01.
10. External Reviewer of the Teacher Teaching Performance Review Committee, Far East University, 2021/06 – 2021/07
11. Reviewer, Reliability Engineering and System Safety, 2021/05 – 2021/06.
12. Reviewer, RAIRO - Operations Research, 2021/05 – 2021/06.
13. Evaluation Committee of the College and University Teaching Quality Assurance Service Plan, Taiwan Assessment and Evaluation Association (TWAEA), 2021/03-2021/07.
14. Director, Banyan Garden Statistics Cultural and Educational Foundation, 2021/01 – 2022/12.
15. Reviewer, Far Eastern Journal, 2021/01 – 2021/02.
16. Reviewer, Reliability Engineering and System Safety, 2020/12 – 2021/02.
17. Reviewer, Annals of Operations Research (ANOR), 2020/12 – 2021/01.
18. Reviewer, Computational Economic, 2020/11 – 2020/12.
19. Reviewer, Computers & Industrial Engineering, 2020/11 – 2020/12.
20. External Reviewer of the Teacher Teaching Performance Review Committee, Far East University, 2020/11 – 2021/01.
21. Evaluation Committee of the College and University Teaching Quality Assurance Service Plan, Taiwan Assessment and Evaluation Association (TWAEA), 2020/10-2019/12.
22. External Self-evaluation School Evaluation Committee member, Vanung University , 2020/09 – 2020/09.
23. Advisory Committee, Curriculum Committee, Chang Jung Christian University, 2020/08-2021/07.
24. Reviewer, RAIRO - Operations Research, 2020/06 – 2020/07.
25. External Self-evaluation committee member, Minghsin University of Science and Technology , 2020/04 – 2020/05.
26. Director, Chinese Management Association-Kaohsiung City Branch, 2020/02 – 2021/04.
27. Reviewer, Computational Economics (CSEM), 2020/02-2020/03.
28. Self-operated Quality Assurance Mechanism Review Committee, Higher Education Evaluation and Accreditation Council of Taiwan, 2020/03-2020/07.
29. Member Representative, Chinese Management Association, 2020/01-2023/12.
30. Reviewer, Computational Economics (CSEM), 2019/12-2020/01.

31. Reviewer, RAIRO - Operations Research, 2019/12-2020/01.
32. Evaluation Committee of the College and University Teaching Quality Assurance Service Plan, Taiwan Assessment and Evaluation Association (TWAEA), 2019/10-2019/12.
33. Self-operated Quality Assurance Mechanism Review Committee, Higher Education Evaluation and Accreditation Council of Taiwan, 2019/09-2020/01.
34. Internal Self-evaluation committee member, Minghsin University of Science and Technology , 2019/08— 2019/12.
35. Advisory Committee, Curriculum Committee, Chang Jung Christian University, 2019/08-2020/07.
36. Reviewer, Computational Economics, 2019/07-2019/07
37. Independent director, NANTEX Industry CO., LTD., 2019/06-2022/06.
38. Director, Chinese Management Association-Kaohsiung City Branch, 2019/04-2021/04.
39. Self-operated Quality Assurance Mechanism Review Committee, Higher Education Evaluation and Accreditation Council of Taiwan, 2019/03-2019/07.
40. Director, Banyan Garden Statistics Cultural and Educational Foundation, 2019/01— 2020/12.
41. Reviewer, Transactions on Engineering Management, 2018/10-2018/11.
42. Reviewer, American Journal of Operations Research, 2018/08-2018/09.
43. Advisory Committee, Curriculum Committee, Chang Jung Christian University, 2018/08-2019/07.
44. Director, Chinese Enterprise Resource Planning Association, 2018/05-2020/05
45. Reviewer, Aviation, 2018/04— 2018/05.
46. Reviewer, Computational Statistics and Data Analysis, 2018/01— 2018/01.
47. Science and Technology, 2017/12— 2018/07. Selection committee member of the fourth president, Southern Taiwan University of
48. Self-evaluation committee member, Chang Jung Christian University, 2017/09— 2017/10.
49. Reviewer, Computers & Industrial Engineering, 2017/08— 2017/10.
50. Advisory Committee, College of Management, Chang Jung Christian University, 2017/08— 2018/07.
51. Advisory Committee, Curriculum Committee, National Kaohsiung First University of Science and Technology, 2017/08— 2018/07.
52. Faculty Development committee member, college of Management, Chang Jung Christian University, 2017/08— 2018/07.

Grants

1. Ministry of Education, No: 4B001090032-EDU-1, 2020 Project for Qingyin Co-created, and joined hands to build a smart and friendly community for the elderly, NT.1,000,000, 2020/01— 2020/12.
2. Ministry of Education, No: 33001070260-EDUP, 2018 Project for Handling Southeast Asian Languages and Industries (Credits) Programs, NT.500,000, 2018/10— 2019/09.
3. Council of Agriculture, No: 33001070134-GP, Development of sesame-based and drug testing certificate system based on block-chain, NT. 400,000, 2018/7— 2018/11.
4. Ministry of Education, No: 731060230-GP, 2017 Project for Handling Southeast Asian Languages and Industries (Credits) Programs, NT.1,000,000, 2017/08— 2018/07.
5. Ministry of Education, No: 731060198-GP, 2017 Project for enhancing Full-English Degree program of Science and Technology University, NT.7,920,000, 2017/09— 2018/08.
6. Ministry of Science and Technology, No: MOST 106-2410-H-218-001, Multi-criteria preventive Maintenance policies with Cumulative Repair Cost limit for a system under mixed types of shock models, NT. 592,000, 2017/8--2018/7.
7. Ministry of Education, No: 731060161-GP, 2017 Project for enhancing the ability of practice of teachers and students in Science and Technology University, NT. 8,354,500, 2017/7— 2018/6.
8. Ministry of Education, No: 721050138-GP, Enhancing the University 's Professional Management Ability Project in Science and Technology University(2st Year), NT.108,150, 2016/8— 2017/7
9. Ministry of Science and Technology, No: MOST 104-2410-H-218-012-MY2, Multi-criteria

Preventive replacement models by combining the concepts of single and cumulative repair cost limit under different shock models, NT. 955,000, 2015/8--2017/7.

Entrusted Practical Projects

1. Computer Skills Foundation, No: 33001080050, Professional License Technology Service Plan for Online Marketing, NT.50,000, 2019/01—2019/07.
2. Metal Industries Research & Development Center, No: 321040331, SME Towards Industrial 4.0 Integrated Planning, NT. 72,000, 2015/5—2015/10.
3. Metal Industries Research & Development Center, No: 321040331 & 321030283, Steam Turbine Parts Manufacturing Service and ICT Innovation Integration Plan, NT. 192,000, 2014/5—2014/10.
4. Metal Industries Research & Development Center, No: 321020210, Improve the application of knowledge plan of automobiles cluster industry, NT. 72,000 , 2013/6—2013/11.

Honors and Awards

1. Outstanding Paper Award, 2017 World Conference on Innovation, Engineering, and Technology (IET 2017), 2017/06, Kyoto, Japan.
2. Excellence Paper Award, 2014 International ERP Academic and Practical Conference, 2014/03, Tainan, Taiwan.