

## Min-Tsai Lai (賴明材)

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### 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

- Vice-President for Academic Affairs, Southern Taiwan University of Science and Technology, 2018/8 to present.
- 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.
- Professor, Department of Business Administration, Southern Taiwan University of Science and Technology, 2008/2 to present.
- 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.
  8. Taqwa Hariguna; Min-Tsai Lai; Shih-Chih Chen, An Empirical Study on the Impact of Information System Quality on Software as a Service, Global Business and Management Research: An International Journal, 8(3), pp.43-54, 2016.
  9. Min-Tsai Lai and Shih-Chih Chen, A bivariate optimal replacement policy with cumulative repair cost limit under cumulative damage model, Sadhana, 41(5), pp.497-505, 2016. [SCI] MOST 104-2410-H-218 -012 -MY2.
  10. Min-Tsai Lai and Huey Yan, Optimal number of minimal repairs with cumulative repair cost limit for a two-unit system with failure rate interactions, International Journal of Systems Science , 47(2), pp.466-473, 2016. [SCI] NSC100-2410-H-218- 006-MY2.

#### Conference Papers

1. 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.
2. 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.
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. 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.
5. Min-Tsai Lai and Nguyen Xuan Tho, A Bivariate Replacement Policy for a System with Double Repair Cost Limits, 2017 World Conference on Innovation, Engineering, and Technology (IET 2017), 2017/06, Kyoto, Japan. [Outstanding Paper Award]
6. Min-Tsai Lai and Taqwa Hariguna, Optimal (T,n) Replacement Policy with Cumulative Repair Cost Limit for a Two-unit System under Shock Damage Interaction, 2017 International Conference on Innovation and Management (IAM2017W), 2017/02, Tokyo, Japan,

7. Min-Tsai Lai, Two-parameter replacement policy with double repair cost limits for a system under increasing failure rate model, 2016 International Conference on Quality, Reliability, Risk, Maintenance, and Safety Engineering (QR2MSE2016) & 2016 World Congress on Engineering Asset Management (WCEAM 2016), 2016/07, Jiuzhaigou, Sichuan, China.

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

21. Reviewer, Computational Economics (CSEM), 2019/12-2020/01.
22. Reviewer, RAIRO - Operations Research, 2019/12-2020/01.
23. Evaluation Committee of the College and University Teaching Quality Assurance Service Plan, Taiwan Assessment and Evaluation Association (TWAEA), 2019/10-2019/12.
24. Self-operated Quality Assurance Mechanism Review Committee, Higher Education Evaluation and Accreditation Council of Taiwan, 2019/09-2020/01.
25. Internal Self-evaluation committee member, Minghsin University of Science and Technology , 2019/08 – 2019/12.
26. Advisory Committee, Curriculum Committee, Chang Jung Christian University, 2019/08-2020/07.
27. Reviewer, Computational Economics, 2019/07-2019/07
28. Independent director, NANTEX Industry CO., LTD., 2019/06-2022/06.
29. Director, Chinese Management Association-Kaohsiung City Branch, 2019/04-2021/04.
30. Self-operated Quality Assurance Mechanism Review Committee, Higher Education Evaluation and Accreditation Council of Taiwan, 2019/03-2019/07.
31. Director, Banyan Garden Statistics Cultural and Educational Foundation, 2019/01 – 2020/12.
32. Reviewer, Transactions on Engineering Management, 2018/10-2018/11.
33. Reviewer, American Journal of Operations Research, 2018/08-2018/09.
34. Advisory Committee, Curriculum Committee, Chang Jung Christian University, 2018/08-2019/07.
35. Director, Chinese Enterprise Resource Planning Association, 2018/05-2020/05
36. Reviewer, Aviation, 2018/04 – 2018/05.
37. Reviewer, Computational Statistics and Data Analysis, 2018/01 – 2018/01.
38. Science and Technology, 2017/12 – 2018/07. Selection committee member of the fourth president, Southern Taiwan University of
39. Self-evaluation committee member, Chang Jung Christian University, 2017/09 – 2017/10.
40. Reviewer, Computers & Industrial Engineering, 2017/08 – 2017/10.
41. Advisory Committee, College of Management, Chang Jung Christian University, 2017/08 – 2018/07.
42. Advisory Committee, Curriculum Committee, National Kaohsiung First University of Science and Technology, 2017/08 – 2018/07.
43. Faculty Development committee member, college of Management, Chang Jung Christian University, 2017/08 – 2018/07.
44. Session Chair, The 12th Conference on Theory and Practice of Business Internationalization, 2017/06, Tainan, Taiwan.
45. Reviewer, International Journal of Production Research, 2017/05 – 2017/06.
46. Director, Chinese Management Association-Kaohsiung City Branch, 2017/04 – 2019/04.
47. Reviewer, International Journal of Production Research, 2017/02 – 2017/03.
48. Session Chair, 2017 International Conference on Innovation and Management (IAM2017W), 207/02, Tokyo, Japan.
49. Chairman, Chinese Service Management Association, 2017/01-2020/01.
50. Director, Banyan Garden Statistics Cultural and Educational Foundation, 2017/01 – 2018/12.
51. Self-evaluation committee member, National Tainan junior college of Nursing, 2016/12 – 2016/12.
52. Reviewer, Communications in Statistics--Theory and Methods, 2016/11 – 2016/12.
53. Independent director, NANTEX Industry CO., LTD., 2016/10-2019/06.
54. Reviewer, Reliability Engineering and System Safety, 2016/10 – 2016/11.
55. Reviewer, Computers & Industrial Engineering, 2016/10 – 2016/11.
56. Reviewer, Journal of Far East University, 2016/09 – 2016/10.
57. Reviewer, Computers & Industrial Engineering, 2016/08 – 2016/10.
58. Faculty Development committee member, college of Management, Chang Jung Christian University, 2016/08 – 2017/07.

## 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.