

王琮胤教師論文與研究計畫資料表

一、期刊論文 (*denotes corresponding author)

- A-1. Wang, K.-H.*, **Wang, T.-Y.** and Pearn, W. L. (2005). Maximum Entropy Analysis to the N policy M/G/1 Queueing System with Server Breakdowns and General Startup Times. *Applied Mathematics and Computation* 165(1): 45-61. [SCIE]
- A-2. **Wang, T.-Y.**, Ke, J.-C., Wang, K.-H.* and Ho, S.-C. (2006). Maximum Likelihood Estimates and Confidence Intervals of an M/M/R Queue with Heterogeneous Servers. *Mathematical Methods of Operations Research* 63(2): 371-384. [SCIE]
- A-3. Wang, K.-H.*, **Wang, T.-Y.** and Pearn, W. L. (2007). Optimal Control of the N Policy M/G/1 Queueing System with Server Breakdowns and General Startup Times. *Applied Mathematical Modelling* 31(10): 2199-2212. [SCIE]
- A-4. **Wang, T.-Y.*** and Ke, J.-C. (2009). The randomized threshold for the discrete-time Geo/G/1 queue. *Applied Mathematical Modelling* 33(7): 3178-3185. [SCIE]
- A-5. **Wang, T.-Y.**, Wang, K.-H.* and Pearn, W. L. (2009). Maximum Entropy Analysis to the T Policy M/G/1 Queue with Server Breakdowns and Startup Times. *International Journal of Information and Management Science*, 20(3): 395–414. [EI, TSSCI]
- A-6. **Wang, T.-Y.**, Wang, K.-H.* and Pearn, W. L. (2009). Optimization of the T Policy M/G/1 Queue with Server Breakdowns and General Startup Times, *Journal of Computational and Applied Mathematics* 228(1): 274-278. [SCIE]
- A-7. **Wang, T.-Y.***, Yang, D.-Y. and Li, M.-J. (2010). Fuzzy Analysis for the N-policy Queues with Infinite Capacity, *International Journal of Information and Management Sciences* 21(1): 41–55. [EI, TSSCI]
- A-8. **Wang, T.-Y.***, Ke, J.-C. and Chang, F.-M. (2011). On the discrete-time Geo/G/1 queue with randomized vacations and at most J vacations, *Applied Mathematical Modelling* 35(5): 2297–2308. [SCIE]
- A-9. **Wang, T.-Y.*** (2012). Random N-Policy Geo/G/1 Queue with Startup and Closedown Times. *Journal of Applied Mathematics*, Vol. 2012, Article ID 793801, 19 pages, 2012. doi:10.1155/2012/793801. [SCIE]
- A-10. **Wang, T.-Y.***, Ke, J.-C. and Chang, F.-M. (2013). Analysis of a discrete-time queue with server subject to vacations and breakdowns, *Journal of Industrial and Production Engineering* 30(1): 54–66. [EI, TSSCI] (Formerly known as Journal of the Chinese Institute of Industrial Engineers (1900- 2012))
- A-11. **Wang, T.-Y.*** (2015). An unreliable Geo/G/1 queue with startup and closedown times under randomized finite vacations. *Applied Mathematical Modelling* 39(2): 1383-1399. [SCIE]
- A-12. **Wang, T.-Y.*** (2015). A $\langle V, p \rangle$ -policy queueing system with startup/closedown times. *Quality Technology and Quantitative Management* 12(2): 169-194. [SCIE]
- A-13. Huang, H.-I., **Wang, T.-Y.** and Ke, J.-C.* (2016). Random Policy for an Unreliable-Server System

with Delaying Repair and Setup Time under Bernoulli Vacation Schedule. *Journal of Testing and Evaluation* 44(3):1400-1408. [SCIE]

- A-14.** Wang, T.-Y. and Chang, F.-M.* (2016). Dynamic Control Policy for the Discrete-Time Queue. *International Journal of Services Operations and Informatics* 8(2):79-93. [EI]
- A-15.** Wang, T.-Y.*, Liu, T.-H. and Chang, F.-M. (2017). Analysis of a random N-policy Geo/G/1 queue with the server subject to repairable breakdowns. *Journal of Industrial and Production Engineering* 34(1):19-29. [EI, TSSCI]
- A-16.** Wang, T.-Y., Liu, T.-H. and Chang, F.-M.* (2019). On a Geo/G/1 Queue with Disastrous and Non-Disastrous Failures. *Queueing Models and Service Management* 2(2): 202- 221.

二、研討會論文

- B-1.** Wang, T.-Y.*, Wang, K.-H and Pearn, W. L. (June 25-28, 2006). Optimization of the N Policy M/G/1 Queueing System with Server Breakdowns and General Startup Times, INFORMS (Institute for Operations Research and the Management Sciences), Hong Kong 2006.
- B-2.** Wang, T.-Y., Wang, K.-H and Pearn, W. L. (August 1-4, 2007). Sensitivity Analysis of the T Policy M/G/1 Queue With Server Breakdowns and Startup Time, The Second Asia-Pacific Symposium on Queueing Theory and Network Applications, Kobe, Japan.
- B-3.** Wang, T.-Y., Ke, J.-C. and Lin, C.-H. (July 12-15, 2009). A discrete-time Geo/G/1 queue with a single vacation, INFORMS (Institute for Operations Research and the Management Sciences) Ithaca, New York, USA.
- B-4.** Wang, T.-Y. (July 24-26, 2010). The variant vacation policy Geo/G/1 queue with server breakdowns, The 5th International Conference on Queueing Theory and Network Applications (QTNA 2010), Beijing, China.
- B-5.** Wang, T.-Y.*, Ke, J.-C. and Chang, F.-M. (April 15-18, 2011). A Discrete-Time Queue with Modified Vacation Policy. The 4th International Joint Conference on Computational Sciences and Optimization (CSO 2011), Kunming, China.
- B-6.** Ke, J.-C.*, Wu, C.-H., Liou, C.-H. and Wang, T.-Y. (October, 2011). Cost Analysis of a vacation machine repair model. *Procedia-Social and Behavioral Sciences*, 25:246-256. (The 2011 International (Summer) Conference on Asia Pacific Business Innovation & Technology Management (2011 APBITM), Lausanne, Switzerland.
- B-7.** Wang, T.-Y.*, Chang, F.-M. and Ke, J.-C. (March 13-15, 2013). Cost Analysis of a Discrete-time Queue. The International Multi-Conference of Engineers and Computer Scientists 2013, Hong Kong.
- B-8.** Wang, T.-Y.* (July 30 – August 2, 2013). Randomized threshold for an unreliable Geo/G/1 queue. The 8th International Conference on Queueing Theory and Network Applications (QTNA 2013), Taichung, Taiwan.
- B-9.** Huang, H.-I.*, Wang, T.-Y. and Ke, J.-C. (July 30 – August 2, 2013). Random N-Policy for an Unreliable-Server Queue with Delaying Repair and Setup Time under Bernoulli Vacation Schedule. The 8th International Conference on Queueing Theory and Network Applications (QTNA 2013),

Taichung, Taiwan.

B-10. Wang, T.-Y. and Chang, F.-M. (Nov. 1-4, 2016). A Discrete-Time Queueing System Subject to Service Interruptions. The 11th International Symposium on Advanced Science and Technology in Experimental Mechanics (11th ISEM'16), Ho Chi Minh, Vietnam.

B-11. Wang, T.-Y., Liu, T.-H. and Chang, F.-M. (Apr. 21-23, 2016). A queueing model for machine repair problem. The 4th International Conference on Industrial Engineering and Applications (ICIEA 2017), Nagoya, Japan.

三、研究與產學計畫

1. 間斷時間之 Geo/G/1 排隊系統的最佳門檻研究 (NSC 97-2118-M-025 -001)
2. 有限個假期的隨機休假方策下服務者會故障的離散型時間排隊系統 (NSC 99-2221-E-025 -001)
3. 變形休假方策下具啟動及停機時間之會故障服務者 Geo/G/1 排隊系統 (NSC 100-2221-E-025 -009)
4. 具災難發生及服務者會故障之離散時間 Geo/G/1 排隊系統 (NSC 101-2221-E-025-005-)
5. 動態控制方策下含有延遲修復、啟動及休假時間之不可信賴服務者排隊研究 (MOST 103-2221-E-025-003-)
6. 伯努力式至多 J 個工作休假之離散時間重試排隊系統研究 (MOST 104-2221-E-025-003 -)
7. 含有啟動時間之 F 方策 Geo/G/1/K 排隊系統最佳控制研究 (MOST 105-2221-E-025-010 -)

四、獎勵與榮譽事項

1. 臺中技術學院 97 學年度學術研究獎
2. 臺中技術學院 98 學年度學術研究獎
3. 國科會補助大專校院獎勵特殊優秀人才(2011 年 8 月~2012 年 7 月)
4. 臺中技術學院 100 年度學術期刊成果優良
5. 臺中科技大學 101、102 年度學術期刊成果優良、主持研究計畫及產學合作成果優良
7. 臺中科技大學 103 年度主持研究計畫及產學合作成果優良
8. 臺中科技大學 104、105、106 年度學術期刊成果優良、主持研究計畫及產學合作成果優良
9. 臺中科技大學 107 年度主持研究計畫及產學合作成果優良

五、參與學術活動

• 學術團體

台灣作業研究學會會員

• 期刊論文審查 (referee)

Applied Mathematical Modelling (SCIE)

Applied Mathematics and Computation (SCIE)

Asia-Pacific Journal of Operational Research (SCIE)

Communications in Statistics – Theory and Methods (SCIE)

Discrete Dynamics in Nature and Society (SCIE)

International Journal of Operations Research

International Journal of Systems Science (SCIE)
Journal of Industrial and Management Optimization (SCIE)
Journal of Mathematical Modelling and Algorithms
Journal of the Chinese Institute of Industrial Engineers (EI)
Mathematical and Computer Modelling
OPSEARCH (EI)
Quality Technology & Quantitative Management (SCIE)
Queueing Models and Service Management
RAIRO-Operations Research (SCIE)

• 其他

- The 8th International Conference on Queueing theory and Network Applications (QTNA 2013): Technical Program Committee Member
- Queueing Models and Service Management Product editor
- 107 學年績優導師

六、 證照:

CRM Merchandise Analyst (series no: 201000856)