

**A. Journal Papers**

A-1 Der Kiureghian A. and Ke, J.-B. (1988) "The Stochastic Finite Element Method in Structural Reliability" *Probabilistic Engineering Mechanics (SCI)* Vol. 3, No. 2, 83-91.

A-2 Wang, K.-H., Lai, Y.-J., and Ke, J.-B. (2004) "Reliability and Sensitivity Analysis of a System with Warm Standbys and a Repairable Service Station." *International Journal of Operations Research*, Vol. 1, No. 1, 77-86.

A-3 C.-C. Hong, H.W. Liao, L.T. Lee, J.-B. Ke, and K.C. Jane (2005) "Thermally induced vibration of a thermal sleeve with the GDQ method." *International Journal of Mechanical Sciences. (SCI)*, Vol. 47, 1789-1806. **(I.F.: 1.077)**

A-4 K.-H Wang, Wen-Li Dong and J.-B. Ke, (2006) "Comparing the reliability and availability of four systems with standby switching failures." *Applied Mathematics and Computation (SCI)* 183: 1310-1322. **(I.F.: 0.961)**

A-5 Wang, K.-H., Ke, J.-B. and Lee, W.-C. (2007) "Reliability and Sensitivity Analysis of a Repairable System with Warm Standbys and R Unreliable Service Stations." *International Journal of Advanced Manufacturing Technology (SCI)*, 31: 1223-1332. **(I.F.: 0.743)**

A-6 Wang, K.-H., Pearn, W.-L. and Ke, J.-B. (2007) "Optimal Management for a Finite M/M/R Queueing System with Two Arrival Modes" *International Journal of Advanced Manufacturing Technology (SCI)*, 33: 42-47. **(I.F.: 0.743)**

A-7 Wang, K.-H., Ke, J.-B. and Ke J.-C. (2007) "Profit Analysis of the M/M/R Machine Repair Problem with Balking, Reneging, and Standby Switching Failures" *Computers and Operational Research (SCI)*, Vol. 34, 835-847. **(I.F.: 1.366)**

A-8 Ke, J.-B. Lee, W.-C and Wang, K.-H. (2007) "Reliability and Sensitivity Analysis of a System with Standbys Subject to Switching Failures." *Physica A (SCI)*, 380: 455-469. **(I.F.: 1.441)**

A-9 Ke, J.-B. Lee, W.-C and Ke, J.-C. (2008), "Reliability-based Measure for a System with Standbys Subjected to Switching Failures." *Engineering Computations (SCI)*, Vol. 25, No. 7, 694-706. **(I. F.:0.488)**

A-10 Ke, J.-B., Chen, J.-W., and Wang, K.-H. (2011), “Reliability Measures of a Repairable System with Standby switching Failures and Reboot Delay.” *Quality Technology & Quantitative Management*, Vol. 8, No.1, 15-26

A-11 Yu-Jen Hu, Yuh-Hau Hu and Jyh.-Bin Ke, (2011) “The Modified DNA Identification Classification on Fuzzy Relation.” *Applied Mechanics and Materials (EI)*, Vol. 48-49, 1275-1281.

A-12 Yu-Jen Hu, Yuh-Hau Hu, Jyh.-Bin Ke, Tin Chi Kuo, Shan Pang Liu and Ching-Ho Yen, (July, 2011)“The Identification on a Small Sample Size of RNA Sequences by Combined Method of Noise Filtering with L<sub>2</sub>-Norm.” *International Journal of Applied Physics and Mathematics (EI)*, Vol. 1, 66 – 71.

A-13 Yu Jen Hu 、Yuh Hua Hu 、**Jyh Bin Ke** 、Tin Chi Kuo 、Ching Ho Yen 、Shan Pang Liu, (Sept. 2011)“Species Identification on a Small Sample Size of RNA Sequences by Combined Method of Noise Filtering with L<sub>2</sub>-Norm.” *Advanced Engineering Forum*, Vol.1, No.1, 214-220.

A-14 Yu Jen Hu, Ya Ting Tsai, Ming Chi Tsai, Ching Ho Yen, **Jyh Bin Ke** (Feb. 2012),“The Study of Carrier of Aerial Afforestation Design.” *Applied Mechanics and Materials (EI)*, Vol.157-158, 1097-1104.

A-15 C.-H. Wu, K.-H. Wang, J.-C. Ke and J.-B. Ke (Feb. 2012),“A Heuristic Algorithm for the Optimization of M/M/s Queue with Multiple Working Vacations” *Journal of Industrial and Management Optimization (SCI)*, Vol. 8, No. 1, 1 – 17.

A-16 Yu Jen Hu 、Ya Ting Tsai 、Ming Chi Tsai 、**Jyh Bin Ke**, (Aug. 2013),“The Study of Aerial Afforestation” *Advanced Science Letters (EI)* , Vol.19, No. 8, 2117-2122..

A-17 Yu Jen Hu, Yuh-Hua Hu, **Jyh Bin Ke**, Ching-Ho Yen, Chi-Huang Yeh (2012),“Using Euclidean distance and noise filtering for sequence classification of species.” *Journal of Biobased Materials and Bioenergy (SCI)*, (accept), (I. F.: 1.037)

A-18 Shih-Chia Chen and Jyh-Bin Ke, “Reliability and Simulation Analysis of the M/M/R/N Machine Repair Problem for the F System with Asynchronous Multiple-Working Vacations” (TCIE-2014-0342) submitted to *Journal of the Chinese Institute of Engineers*. (9/29/2014)

## B. Conference Papers

B-1 Ke, J.-B. "Reliability and Sensitivity Analysis of a System with Warm Standbys and a Repairable Service Station." **33<sup>rd</sup> International Conference on Computers & Industrial Engineering (CIE)**, March 27-31, 2004, Jeju, Korea.

B-2 Lee, W.-C., Ke, J.-B. and Wang, K.-H. "Reliability and Sensitivity Analysis of a System with Multiple Unreliable and Standbys Switching Failures." **International Federation of Operational Research Society (IFORS 2005)**, July 11-15, 2005, Hawaii, USA.

B-3 K.-H. Wang. and Ke, J.-B. (Nov. 4, 2005) "Comparative Analysis of Series Systems with Standby Switching Failures and General Repair Time" **The 2<sup>nd</sup> Conference of Operational Research Societies of Taiwan (ORSTW)** , Taipei, Taiwan.

B-4 K.-H Wang and J.-B. Ke, "Comparative Analysis of Series Systems with Standby Switching Failures and General Repair Time." **INFORM 2006**, June 25-28, 2006, Hong-Kong.

B-5. J.-B. Ke, K.-H.Wang and J.-Y. Ding, "Reliability Analysis of a Repairable System with Warm Standbys and Imperfect Coverage." *Proceedings, Advanced Reliability Modeling II(AIWARM 2006)*, P. 48-55, August 24-26, 2006, Busan, Korea.

B-6. K.-H Wang, and J.-W. Chen and J.-B. Ke, "Reliability Analysis of a Repairable System with Warm Standbys and Reboot Delay." *Proceedings, Advanced Reliability Modeling II (AIWARM 2006)*, P. 80-89, August 24-26, 2006, Busan, Korea.

B-7. K.-H Wang, and J.-W. Chen and J.-B. Ke, "Reliability and Sensitivity Analysis of a Repairable System with Warm Standbys and Reboot Delay." *Books of Abstracts, EURO XXII*, July 8-12, 2007, Prague, Czech Republic.

B-8. C.-H. Wu, K.-H. Wang, J.-C. Ke and J.-B. Ke, "Cost Analysis of an M/M/R queue with Multiple Working Vacations," *Proceedings, The 2<sup>nd</sup> Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2007)*, August 1-4, Kobe, Japan.

B-9. Jyh-Bin Ke, Bo-Rong Lu, and Kuo-Hsiung Wang, "Availability analysis of

systems with detection delay, switching failure and reboot delay.” *Proceedings, The 18<sup>th</sup> International Conferences of Flexible Automation and Intelligent Manufacturing (FAIM2008)*, June 30 – July 2, Skovde, Sweden.

B-10. Jyh-Bin Ke, Bo-Rong Lu, and Kuo-Hsiung Wang, “Availability analysis of systems with warm standby, detection delay, switching failure, reboot delay and general repair times.” *Proceedings, The 3<sup>rd</sup> Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2008)*, July 30 - August 2, Taipei, Taiwan.

B-11. J.-B. Ke, J.-W. Chen and K.-H Wang, “Reliability Measures of a Repairable System with Warm Standbys and Reboot Delay.” Asian International Workshop on Advanced Reliability Modeling III (**AIWARM 2008**), October 23-25, 2008, Taichung, Taiwan.

B-12. J.-B. Ke, and S.-G. Chen, “Optimization of k-out-of-n:  $F$  system with server asynchronous working vacations.” **The 15<sup>th</sup> INFORMS Applied Probability Society Conference**, July 12-15, 2009, Ithaca, New York, USA.

B-13 Jyh-Bin Ke, Jau-Chuan Ke, and Chuen-Horng Lin, “Cost Optimization of an M/M/r Queueing System with Queue-Dependent Servers: Genetic Algorithm.” *Proceedings, The 5<sup>th</sup> International Conference on Queueing Theory and Network Applications (QTNA2010)*, Beijing, China, July 24 -26, 2010.

B-14 Jyh-Bin Ke, Jau-Chuan Ke, and Chen-Hwai Liou, “Controlling arrival and service of a two-removable-server system using genetic algorithm.” *Proceedings, the 4<sup>th</sup> International Joint Conference on Computational Sciences and Optimization (CSO2011)*, Kunming and Lijiang, Yunnan, China, April 15-19, 2011.

B-15 Yu-Hong Chien, Jyh-Bin Ke, and Fu-Min Chang, “Optimal Preventive Maintenance Policies for a System Suffered Damage in Discrete Time Process.” *Proceedings, the 4<sup>th</sup> International Joint Conference on Computational Sciences and Optimization (CSO2011)*, Kunming and Lijiang, Yunnan, China, April 15-19, 2011.

B-16 Yu Jen Hu, Shan Pang Liu, Tzu Min Chou, Kuo Hsaing Chen, **Jyh Bin Ke**, “Integration of emerging technologies and high school mathematics curriculum.” **The International Conference on Computer and Network Technologies on Education**, National Hsinchu University of Education, Taiwan, Dec. 22-23, 2011.

B-17 Jyh-Bin Ke, and Yu-Li Tsai, “Measures of Self-blocking System with Infinite Space.” *Proceedings*, International Conference on Mathematical Modeling in Physical Sciences (**IC-MSQUARE 2012**), Budapest, Hungary, September 3-7, 2012.

B-18 Yu Jen Hu, Tzu Min Chou, Kuo Hsaing Chen, Su Chin Chen, Chi Hung Lai, Jen Jang Sheu, Xiao Yu Lin, **Jyh-Bin Ke**, “Exploring the Emerging Technologies on Senior High School Curriculum.” *Proceedings*, 2013 International Conference on e-Education, e-Business and Information Management (**ICEEIM 2013**), Beijing, China, March 14-15, 2013.

B-19 胡裕仁、王舜德、胡裕華、柯志斌、王翰霖、林柏毅、林義傑、溫英華。以計算理論探討病毒疫苗設計之可行性評估。論文發表於 2013 第 7 屆資訊科技國際研討會。朝陽科技大學。April 26- 27, 2013.

B-20 S.-G. Chen and, J.-B. Ke, “Reliability analysis of the M/M/R/N Machine Repair Problem of a k-out-of-N:  $F$  system with server asynchronous working vacations.”” **The 8th International Conference on Queueing Theory and Network Applications (QTNA2013)**, Providence University, Taichung City, Taiwan, July 30-August 2, 2013.

B-21 **The 9th International Conference on Queueing Theory and Network Applications (QTNA2014)**, Western Washington University, Bellingham, Washington, USA, August 18- August 21, 2014.