

# CURRICULUM VITAE

## Chia-Hung Wang, Ph.D.

### Contact Information

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Personal Website: <http://www3.nccu.edu.tw/~93751502/>

### Position

Sep. 2011 –  
present

Postdoctoral Fellow

**College of Management, National Chiao Tung University**, Hsinchu, Taiwan

Duties: I carry out some international/national cooperative research projects in the field of Logistics and Supply Chain Management. I also assist Dean and Vice Dean of College of Management in exploring opportunities of collaborative scientific research, corporate links and cooperation with governmental decision-making units.

Aug. 2011 –  
present

Adjunct Assistant Professor

**The Center for General Education, China University of Technology**,

Hsinchu, Taiwan

Duties: I teach students in the bachelor program of extension education with the training of logical reasoning, critical thinking and analytical ability by offering courses on Mathematics and Logic, Games with Mathematics, etc.

### Education

Sep. 2004 –  
July 2011

Doctor of Philosophy

**Department of Mathematical Sciences, National Chengchi University**, Taiwan

Advisor: Prof. Hsing Paul Luh

Dissertation: Analysis of Bandwidth Allocation on End-to-End QoS Networks under Budget Control

This thesis is awarded The Best Doctoral Dissertation Award (The First Place)

held jointly by **Operations Research Society of Taiwan (ORSTW)** and **Chinese Institute of Decision Sciences (CID)** in June, 2011.

Sep. 2002 –  
July 2004

Master of Science

**Department of Mathematical Sciences, National Chengchi University**, Taiwan

Advisor: Prof. Hsing Paul Luh

Thesis: Mathematical Models of Pareto Optimal Path Selection on All-IP Networks

Sep. 1998 –  
June 2002

Bachelor of Science

**Department of Mathematics, National Tsing Hua University**, Hsinchu, Taiwan

## Experience

- Sep. 2008 – Adjunct Lecturer  
 July 2011 **Department of International Business, National Taipei College of Business,**  
 Taipei, Taiwan  
 Duties: I offered fundamental mathematical courses for students in the business school by introducing mathematical tools and skills that are basic in the study of international business.
- Sep. 2008 – Adjunct Lecturer  
 July 2009 **China University of Technology, Taipei/Hsinchu Campus, Taiwan**  
 Duties: I taught students in the bachelor program of extension education with the training of logical reasoning, critical thinking and analytical ability by offering courses on Calculus, Mathematics and Logic, etc.
- Aug. 2007 – Visiting Scholar  
 Aug. 2008 **Department of Information and Decision Sciences,**  
**College of Business Administration, University of Illinois at Chicago, USA**
- Aug. 2002 – Research Assistant  
 July 2011 **National Science Council, Taiwan**  
 Duties: I conducted literature reviews, collected and analyzed data, developed computing algorithms, summarized project results, prepared research articles and presentations, etc.
- Sep. 2002 – Teaching Assistant  
 June 2010 **National Chengchi University, Taipei, Taiwan**  
 (Duties: I assisted senior professors in designing and lecturing undergraduate/graduate courses, such as Calculus, Probability, Mathematical Statistics, Numerical Analysis, Algebra, Operations Research, Scientific Approaches for Problem-Solving, etc.)
- Jun. 2003 – Visiting Student  
 Aug. 2003 **Department of Industrial Engineering and Operations Research,**  
**North Carolina State University, Raleigh, North Carolina, USA**

## Publications

### I. Refereed Journal Papers

1. **Chia-Hung Wang** and Hsing Paul Luh (2012), Estimating the Loss Probability under Heavy Traffic Conditions, accepted for publication in *Computers and Mathematics with Applications*, doi: 10.1016/j.camwa.2012.03.081. (Indexed by **SCI**)
2. Zhe George Zhang, Hsing Paul Luh, and **Chia-Hung Wang** (2011), Modeling Security-Check Queues, *Management Science*, Vol. 57, No. 11, pp. 1979--1995. (Indexed by **SSCI, SCI**)
3. **Chia-Hung Wang** and Hsing Paul Luh (2011), Analysis of Bandwidth Allocation on End-to-End QoS Networks under Budget Control, *Computers and Mathematics with Applications*, Vol. 62, pp. 419--439. (Indexed by **SCI**)
4. Ya-Hui Cheng, Hsing Luh, and **Chia-Hung Wang** (2010), Modeling on Weighted Utilizations of Network Dimensioning Problems, *International Journal of Operations*

- Research*, Vol. 7, No. 1, pp. 41--52. (Indexed by **Mathematical Reviews**)
5. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, and Ping-Yu Hsu (2009), Disaster Avoidance Mechanism for Content-Delivering Service. *Computers & Operations Research*, Vol. 36, No. 1, pp. 27--39. (Indexed by **SCI, EI, Mathematical Reviews**)
  6. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, Ping-Yu Hsu, and Wuyi Yue (2009), Proactive Peer-to-Peer Traffic Control when Delivering Large Amounts of Content within a Large-Scale Organization, *Lecture Notes in Computer Science*, Vol. 5764, pp. 217--228. (Indexed by **EI**)
  7. **Chia-Hung Wang** and Hsing Luh (2008), A Fair QoS Scheme for Bandwidth Allocation by Precomputation-Based Approach. *International Journal of Information and Management Sciences*, Vol. 19, No. 3, pp. 391--412. (Indexed by **EI, TSSCI, Mathematical Reviews**)
  8. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, Ping-Yu Hsu, and Wuyi Yue (2008), Using a Proactive Peer-to-Peer Traffic Control to Deliver Large Contents within a Large-Scaled Organization, *Memoirs of Konan University, Intelligence & Informatics Series*, Vol. 1, No. 1, pp. 99--112. (ISSN 1883-0161)
  9. **Chia-Hung Wang** and Hsing Luh (2007), Bandwidth Allocation and QoS Routing for Heterogeneous Networks, *Applied Mathematical Sciences*, Vol. 1, No. 43, pp. 2139--2151. (Indexed by **Mathematical Reviews**)
  10. **Chia-Hung Wang**, Wuyi Yue, and Hsing Luh (2007). Performance Evaluation of Predetermined Bandwidth Allocation for Heterogeneous Networks. *IEICE Technical Report*, Vol. 107, No. 6, pp. 37--42. (ISSN 0913-5685)
  11. **Chia-Hung Wang**, Chih-Chin Liang, Hsing Luh, and Ping-Yu Hsu (2007). Reliability Measure in Content-Distribution Systems. *International Journal of Computer Science and Network Security*, Vol. 7, No. 3, pp. 138--143. (ISSN 1738-7906)
  12. **Chia-Hung Wang** and Hsing Luh (2006). A Precomputation-Based Scheme for QoS Routing and Fair Bandwidth Allocation. *Lecture Notes in Computer Science*, Vol. 4297, pp. 595--606. (Indexed by **EI**)
  13. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, and Ping-Yu Hsu (2006). A Robust Web-based Approach for Broadcasting Downward Messages in a Large-scaled Company. *Lecture Notes in Computer Science*, Vol. 4255, pp. 222--233. (Indexed by **EI**)

## II. Book/ Book Chapters

1. **Chia-Hung Wang** and Hsing Luh (2008), Blocking Probabilities of Multiple Classes in IP Networks with QoS Routing, *Advances in Queueing Theory and Network Applications*, Wuyi Yue, Yutaka Takahashi and Hideaki Takagi (Eds.), Chapter 16, pp. 281--290, Springer Science+Business Media, LLC, New York. (ISBN 978-0-387-09702-2)
2. **Chia-Hung Wang** and Hsing Luh (2007), Mathematical Models of QoS Management for Communication Networks, *Leading-Edge Applied Mathematical Modeling Research*, edited by Matías P. Álvarez, Chapter 8, pp. 295--317, Nova Science Publishers, Inc.

(ISBN 978-1-60021-977-2)

3. **Chia-Hung Wang** and Hsing Luh (2006). Network Dimensioning Problems of Applying Achievement Functions, *Lecture Notes in Operations Research--Operations Research and Its Applications*, Xiang-Sun Zhang, De-Gang Liu and Ling-Yun Wu (Eds.), Vol. 6, pp. 35--59, World Publishing Corporation. (ISBN 7-5062-7298-9/O-560)

### III. Working Papers

1. **Chia-Hung Wang**, Hsing Paul Luh, and Zhe George Zhang, Secure and Efficient Global Supply Chain, to be submitted.
2. Chih-Chin Liang, **Chia-Hung Wang**, and Hsing Luh, Disseminating Content through a Peer-to-Peer Infrastructure for Community Networks in Disaster Zones, to be submitted.
3. Hsing Luh, Yi-Chih Chen, and **Chia-Hung Wang**, A Fuzzy Queuing Model with Perception of Waiting, to be submitted.

### IV. Conference Papers

1. **Chia-Hung Wang** and Hsing Paul Luh, Estimating the Loss Probability under Heavy Traffic Conditions, accepted for presenting in International Symposium on Computer, Consumer and Control (IS3C 2012), Taichung, Taiwan, June 4-6, 2012. (Indexed by **IEEE Xplore**, **EI Compendex**, **ISTP**)
2. **Chia-Hung Wang** and Hsing Paul Luh, Asymptotic Analysis of Blocking Probability under GI/M/s/s Systems with Heavy Traffic, *Proc. of the 2011 INFORMS Annual Meeting*, WE07, page 432, Charlotte, North Carolina, USA, November 13-16, 2011.
3. **Chia-Hung Wang** and Hsing Paul Luh, Tradeoff in Bandwidth Sharing: Efficiency versus Fairness, *Proc. of the 2nd International Conference on Management Science and Engineering (MSE 2011)*, Chengdu, China, October 1-2, 2011. This paper is selected for publication in *Advances in Artificial Intelligence*, Vol. 1, pp. 359--364, 2011. (ISSN: 2070-1918; ISBN-13: 978-1-61275-994-4) (Indexed by **IEEE Xplore**, **EI**, **ISTP**)
4. **Chia-Hung Wang** and Hsing Paul Luh, GI/M/s/s Systems with Blocking under Heavy-Traffic Conditions, *Proceedings of the Workshop on Asian Operations Research Progress (ORSJ-AORP)*, Kobe, Japan, September 15-16, 2011.
5. Yuan-Heng Yen, Hsing Luh, and **Chia-Hung Wang**, A Matrix Decomposition Approach for Solving State Balance Equations of A Phase-type Queueing Model with Multiple Servers, *Proceedings of the 6th International Conference on Queueing Theory and Network Applications (QTNA2011)*, pp. 193--207, Seoul, Korea, August 23-26, 2011. (ACM 978-1-4503-0758-1/11/08) (Indexed by **ISTP**, **ACM**)
6. **Chia-Hung Wang** and Hsing Luh, Estimating a Blocking Probability with Heavy Traffic Limits under GI/M/K/K, *Proc. of the 7th Annual Conference of Operations Research Society of Taiwan (ORSTW2011)*, CD-ROM, Taipei, Taiwan, June 10, 2011. (This paper is selected as **The Best Paper** awarded by ORSTW2011.)
7. Hsing Luh, **Chia-Hung Wang**, and Chung-Min Lin, Dropping Behavior of a Random Early Detection Mechanism by a Queueing Model of Batch Arrivals and Multiple Servers, *Proc. of the 5th International Conference on Queueing Theory and Network Applications*

- (*QTNA2010*), CD-ROM, Beijing, China, July 24-26, 2010. (Full paper is available in Conference Proceedings ISBN 978-1-4503-0212-8.) (Indexed by **EI, ACM, ISTP**)
8. Ya-Hui Cheng, Hsing Luh, and **Chia-Hung Wang**, Modelling on Weighted Utilization of Network Dimensioning Problems under Budget Constraints, *Proc. of the 6th Annual Conference of Operations Research Society of Taiwan (ORSTW2010)*, CD-ROM, Taipei, June 2010.
  9. Chih-Chin Liang, **Chia-Hung Wang**, Han-Sheng Huang, and Hsing Luh, Estimating the Costs of a Large-scaled File Delivering Service, *Proc. of the 6th Annual Conference of Operations Research Society of Taiwan (ORSTW2010)*, CD-ROM, Taipei, June 5, 2010.
  10. **Chia-Hung Wang** and Hsing Luh, Measuring Average Revenue with Bandwidth and Traffic Demand on Communication Networks, *Proc. of International Conference on Computational Intelligence and Software Engineering (CiSE 2009)*, CD-ROM, Wuhan, China, December 11-13, 2009. (Full paper is available in Conference Proceedings ISBN 978-1-4244-4507-3) (Indexed by **EI, IEEE Xplore, ISTP**)
  11. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, Ping-Yu Hsu, and Wuyi Yue, Proactive Peer-to-Peer Traffic Control when Delivering Large Amounts of Content within a Large-Scale Organization, *Proc. of the 9th International Conference on Next Generation Wired/Wireless Networking (NEW2AN 2009)*, CD-ROM, St. Petersburg, Russia, September 15-18, 2009. (Indexed by **EI, IEEE Xplore**)
  12. Chih-Chin Liang, **Chia-Hung Wang**, and Hsing Luh, Measuring the Cost of Links of a Disaster-Avoided Content-Delivering Service within a Large-scaled Company, *Proc. of the 4th International Conference on Queueing Theory and Network Applications (QTNA2009)*, CD-ROM, Fusionopolis, Singapore, July 29-31, 2009. (Full paper is available in Conference Proceedings ISBN 978-1-60558-562-8/00/0009.) (Indexed by **EI, ACM**)
  13. **Chia-Hung Wang** and Hsing Luh, A Fast Branch and Bound Based Algorithm for Bandwidth Allocation and QoS Routing on Class-based IP Networks, *Proc. of the 1st World Congress on Global Optimization in Engineering & Science (WCGO2009)*, CD-ROM, Hunan, China, June 1-5, 2009. (Indexed by **ISTP**)
  14. **Chia-Hung Wang** and Hsing Luh, A Utility Maximization Scheme for End-to-End QoS Routing in Communication Networks with Heterogeneous Service Classes, *Proc. of 2008 IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE/SOLI'2008)*, pp. 488--493, Beijing, China, October 2008. (Full paper is available in Conference Proceedings ISBN 978-1-4244-2012-4) (Indexed by **EI, ISTP, IEEE Xplore**)
  15. **Chia-Hung Wang**, Hsing Luh, and Han-Sheng Huang, Modeling and Computing Blocking Probabilities with Predetermined End-to-End QoS Routing under Random Arrivals, *Proc. of the 3rd Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2008)*, pp. 65--74, Academia Sinica, Taipei, Taiwan, July 30-August 2, 2008.
  16. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, Ping-Yu Hsu, and Wuyi Yue, Using a Proactive Peer-to-Peer Traffic Control to Deliver Large Contents within a Large-Scaled Organization, *Proc. of the 3rd Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2008)*, pp. 183--191, Academia Sinica, Taipei, Taiwan, July 30-August 2, 2008.

17. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, and Ping-Yu Hsu, Modeling the P2P File Sharing Strategy in the Future Intranet Service, *Proc. of the 18th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM 2008)*, pp. 1281--1285, Skövde, Sweden, 30 June-2 July, 2008. (ISBN 978-91-633-2757-5)
18. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, and Ping-Yu Hsu, Maintenance Strategies for File Delivery on Intranet, *Proc. of the 18th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM 2008)*, pp. 1286--1291, Skövde, Sweden, 30 June-2 July, 2008. (ISBN 978-91-633-2757-5)
19. Ya-Hui Cheng, Hsing Luh, **Chia-Hung Wang**, Optimal Weights of Utilizations for Network Dimensioning Problems under Budget Constraints, *Proc. of the 8th Asia Pacific Industrial Engineering & Management System and 2007 Chinese Institute of Industrial Engineers Conference (APIEMS & CIIE Conference 2007)*, CD-ROM, Kaohsiung, Taiwan, December 9-12, 2007.
20. **Chia-Hung Wang** and Hsing Luh, Blocking Probabilities of QoS Routing in IP Networks with Multiple Classes, *Proc. of the 2nd Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2007)*, pp. 253-261, International Conference Center, Kobe, Japan, August 1-4, 2007.
21. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, and Ping-Yu Hsu, Using a Managed Peer-to-Peer Protocol to Deliver Files within an Organization, *Proc. of the 2nd Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2007)*, pp. 227-231, International Conference Center, Kobe, Japan, August 1-4, 2007.
22. **Chia-Hung Wang** and Hsing Luh, Two-Phase Modeling of QoS Routing in Communication Networks, *Proc. of the 16th International Conference on Computer Communications and Networks (ICCCN2007)*, pp. 1210-1216, Honolulu, Hawaii, USA, August 13-16, 2007. (Indexed by **IEEE Xplore**)
23. **Chia-Hung Wang** and Hsing Luh, A Precomputation-Based Scheme for QoS Routing and Fair Bandwidth Allocation, *Proc. of the 13th annual IEEE International Conference on High Performance Computing (HiPC 2006)*, CD-ROM, Bangalore, India, December 18-21, 2006. (Indexed by **IEEE Xplore, EI**)
24. **Chia-Hung Wang** and Hsing Luh, Optimal Path Selection on Stochastic Networks, *Proc. of the 3rd Annual Conference of Operations Research Society of Taiwan (ORSTW2006)*, CD-ROM, Taoyuan, Taiwan, Nov. 2006.
25. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, and Ping-Yu Hsu, A Robust Web-based Approach for Broadcasting Downward Messages in a Large-scaled Company, *Proc. of the 7th International Conference on Web Information Systems Engineering (WISE 2006)*, CD-ROM, Wuhan, China, October 23-26, 2006. (Indexed by **EI**)
26. **Chia-Hung Wang** and Hsing Luh, Network Dimensioning Problems of Applying Achievement Functions, *Proc. of the 6th International Symposium on Operations Research and Its Applications*, CD-ROM, Xinjiang, China, August 8-12, 2006. (Indexed by **ISTP**)
27. Hsing Luh, **Chia-Hung Wang**, and Yi-Chih Chen, A Comparison Method in Fuzzy Queue Modeling, *Proc. of INFORMS International Conference*, CD-ROM, Hong Kong, June 2006.

28. **Chia-Hung Wang** and Hsing Luh, A Two-Phase Scheme for Fair Bandwidth Allocation and QoS Routing in All-IP Networks, *Proc. of the 3rd Sino-International Symposium on Probability, Statistics, and Quantitative Management*, pp. 49--63, Taipei, Taiwan, Oct. 2006.
29. Chih-Chin Liang, **Chia-Hung Wang**, Hsing Luh, and Ping-Yu Hsu, Internet Information Deployment by an Optimum Broadcasting Model of Pull and Push based Scheme, *Proc. of the 3rd Sino-International Symposium on Probability, Statistics, and Quantitative Management*, pp. 65--77, Taipei, Taiwan, Oct. 2006.
30. **Chia-Hung Wang** and Hsing Luh, Fair Budget Allocation of Precomputation in All-IP Networks, *Proc. of IFORS International Triennial Conference*, CD-ROM, Honolulu, Hawaii, USA, July 2005.
31. Hsing Luh, **Chia-Hung Wang**, and Hong-Qi Xu, Analytics of RED Queueing Models, *Proc. of IFORS International Triennial Conference*, CD-ROM, Honolulu, Hawaii, USA, July 2005.
32. Hsing Luh, **Chia-Hung Wang**, and Yi-Chih Chen, Queue Management with Various Aspects of Waiting, *Proc. of the International Conference on Intelligent Technologies and Applied Statistics*, CD-ROM, Taipei, Taiwan, June 2005.
33. Hsing Luh and **Chia-Hung Wang**, Proportional Bandwidth Allocation for Unicasting in All-IP Networks, *Proc. of the Second Sino-International Symposium on Probability, Statistics, and Quantitative Management*, pp. 111--130, Taipei, Taiwan, Oct. 2005.
34. Hsing Luh, **Chia-Hung Wang**, and Hong-Qi Xu, A Study on Parameter Setting of the RED Queueing Model, *Proc. of the Second Sino-International Symposium on Probability, Statistics, and Quantitative Management*, pp. 77--91, Taipei, Taiwan, Oct. 2005.
35. Hsing Luh and **Chia-Hung Wang**, Fair Budget Allocation in Delay-Guaranteed Networks - An Approach for Deterministic Cases, *Proc. of the 1st Annual Conference of Operations Research Society of Taiwan (ORSTW2004)*, pp. 330--353, Taipei, Taiwan, Nov. 2004.
36. Hsing Luh and **Chia-Hung Wang**, Mathematical Models of Pareto Optimal Path Selection on All-IP Networks, *Proc. of the 1st Sino-International Symposium on Probability, Statistics, and Quantitative Management*, pp. 185--197, Taipei, Taiwan, Oct. 2004.

## Computer Skills

I have extensively programming experiences in CPLEX/ILOG, Matlab, Mathematica, GAMS, ProModel for solving managerial problems in queueing systems and developing algorithms in combinatorial optimization problems.

- ◆ CPLEX/ILOG
- ◆ Matlab
- ◆ Mathematica
- ◆ GAMS
- ◆ LaTeX

- ◆ ProModel
- ◆ Visual Basic, HTML/FrontPage, etc.

## Honors/Awards

- Year 2011     The Best Doctoral Dissertation Award (The First Place)  
awarded jointly by **Operations Research Society of Taiwan (ORSTW)** and  
**Chinese Institute of Decision Sciences (CID)**
- Year 2011     The Best Paper Award  
awarded by **The 7th Annual Conference of Operations Research Society of  
Taiwan (ORSTW2011)**
- Year 2009     Leading Scientists of the World 2009  
awarded by **International Biographical Centre**, Cambridge, England
- Year 2004 –     Graduate Student Research Award  
Year 2010     awarded by **College of Science, National Chengchi University**, Taiwan  
(I have been awarded 11 times in Oct. 2004, Mar. 2005, Oct. 2005, Mar. 2006, Oct.  
2006, Mar. 2007, Nov. 2007, Oct. 2008, Apr. 2009, Nov. 2009 and Dec. 2010,  
individually.)
- Year 2007     Selected Delegate of China Synergy Programme for Outstanding Youth  
held by **The 8th China Synergy Programme for Outstanding Youth (CSP8)**,  
China
- Year 2005 –     Award as Excellent Teaching Assistant for the Calculus Course  
Year 2007     awarded by **Learning Resource Center, National Chengchi University**, Taiwan  
(I have been awarded 4 times in Fall Semester of 2005, in Spring Semester of 2006,  
in Fall Semester of 2006, and in Spring Semester of 2007, individually.)
- Year 2005 –     Graduate Student Study Award  
Year 2006     awarded by **College of Science, National Chengchi University**, Taiwan  
(I have been awarded twice in Nov. 2005 and Apr. 2006, individually.)
- Year 2004 –     Award for Excellent Achievements & Great Contributions to the College of Science  
Year 2006     awarded by **College of Science, National Chengchi University**, Taiwan  
(I have been awarded 3 times in Year 2004, Year 2005, and Year 2006, individually.)
- Year 2001     Outstanding Youth Award  
awarded by **Yongkang City Government**, Tainan County, Taiwan

## Grants

- July 2010      Graduate Students Travel Grants  
 awarded by **Ministry of Education, Taiwan**  
 (I was granted US\$ 1,000 to travel and present our paper at The 5th International Conference on Queueing Theory and Network Applications (QTNA2010), Beijing, China, July 24-26, 2010.)
- Dec. 2009      Graduate Students Travel Grants (No. NSC-98-2922-I-004-081)  
 awarded by **National Science Council, Taiwan**  
 (I was granted US\$ 1,000 to travel and present our paper at 2009 International Conference on Computational Intelligence and Software Engineering (CiSE 2009), Wuhan, China, December 11-13, 2009.)
- Oct. 2008      Graduate Students Travel Grants (No. NSC-97-2922-I-004-046)  
 awarded by **National Science Council, Taiwan**  
 (I was granted US\$ 1,000 to travel and present our paper at The 2008 IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE/SOLI2008), Beijing, China, October 12th-15th, 2008.)
- Aug. 2007 –  
 Aug. 2008      Graduate Students Study Abroad Program (No. NSC-096-2917-I-004-015)  
 awarded by **National Science Council, Taiwan**  
 (I have been granted around US\$ 17,000 scholarship to pursue advanced research in Department of Information and Decision Sciences, University of Illinois at Chicago, USA for one year.)
- Aug. 2007      Graduate Students Travel Grants (No. NSC-96-2922-I-004-039)  
 awarded by **National Science Council, Taiwan**  
 (I was granted US\$ 1,000 to travel and present our paper at The Second Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2007), International Conference Center, Kobe, Japan, August 1-4, 2007.)
- Dec. 2006      Graduate Students Travel Grants (No. NSC-95-2922-I-004-032)  
 awarded by **National Science Council, Taiwan**  
 (I was granted US\$ 1,000 to travel and present our paper at The 13th annual IEEE International Conference on High Performance Computing (HiPC 2006), Bangalore, India, December 18-21, 2006.)
- July 2005      Graduate Students Travel Grants  
 awarded by **Ministry of Education, Taiwan**  
 (I was granted US\$ 1,500 to travel and present our paper at The IFORS International Triennial Conference, Honolulu, Hawaii, July 11-15, 2005.)
- Year 2004 –  
 Year 2010      Scholarships  
 awarded by **College of Sciences, National Chengchi University, Taiwan**

## Academic Memberships

Member	Institute for Operations Research and the Management Sciences (INFORMS)
Member	Institute of Electrical Electronics Engineers (IEEE)
Member	Society for Industrial and Applied Mathematics (SIAM)
Member	Operations Research Society of Taiwan (ORSTW)

## Professional Services

Year 2012	<u>TPC &amp; Reviewer</u> The 2012 IEEE Symposium on Wireless Telecommunications Applications (ISWTA2012), Bandung, Indonesia.
Year 2011	<u>Reviewer</u> <i>Journal of the Chinese Institute of Industrial Engineers</i>
Year 2011	<u>Reviewer</u> <i>International Journal of Operations Research</i>
Year 2008	<u>Reviewer</u> <i>International Journal of Computer Mathematics</i>
Year 2008	<u>Reviewer</u> 2008 IEEE International Conference on Service Operations and Logistics, and Informatics (IEEE/SOLI'2008), Beijing, China.
Year 2008	<u>Executive Assistant &amp; Local Committee Member</u> The 3rd Asia-Pacific Symposium on Queueing Theory and Network Applications (QTNA2008), Taipei, Taiwan.
Year 2007 – Year 2012	<u>Reviewer</u> <i>European Journal of Operational Research</i>
Year 2005	<u>Executive Assistant</u> The 2nd Annual Conference of Operations Research Society of Taiwan (ORSTW2005) and INFORMS Taiwan Chapter Meeting, Taipei, Taiwan.
Year 2005 – Year 2007	<u>Executive Assistant</u> Operations Research Society of Taiwan (ORSTW)

## List of Referees

- **Dr. Hsing Paul Luh**  
Professor, Department of Mathematical Sciences, National Chengchi University  
Former President, Operations Research Society of Taiwan  
School Address: No. 64, Sec. 2, Zhinan Road, Wenshan District, Taipei 11605, Taiwan  
Email: slu@nccu.edu.tw  
Phone: +886-2-29387373  
Fax: +886-2-29387905  
(Professor Luh was my thesis advisor during my graduate studies.)
- **Dr. Ming-Jong Yao**  
Professor, Department of Transportation Technology and Management  
Vice Dean, College of Management, National Chiao Tung University  
School Address: No. 1001, Ta Hsueh Road, Hsinchu 30010, Taiwan  
Email: myaoie@gmail.com  
Tel: +886-3-5712121 Ext. 57215  
Fax: +886-3-5720844  
(Professor Yao has been my postdoctoral fellow supervisor since I got my Ph.D. degree.)
- **Dr. Zhe George Zhang**  
Professor, Department of Decision Sciences, College of Business and Economics,  
Western Washington University, Bellingham, WA 98225-9077, USA  
Email: george.zhang@wwu.edu  
Phone: +1 (360) 650-2867  
Professor, Department of Business Administration, Simon Fraser University,  
Burnaby, BC, V1M 2J2, Canada  
Email: gzhang@sfu.ca  
Phone: +1 (778) 782-5559  
(Professor Zhang is one faculty coauthor of my publication in *Management Science*.)
- **Dr. Thomas Yew Sing Lee**  
Associate Professor, Department of Information and Decision Sciences,  
University of Illinois at Chicago  
Mailing Address: 2420 University Hall, 601 South Morgan Street, MC 294, Chicago, IL  
60607-7124, USA  
Email: yslee@uic.edu  
Phone: +1 (312) 996-2786  
Fax: +1 (312) 413-0385  
(Professor Lee was my host advisor while I worked as Visiting Scholar at University of Illinois at Chicago, USA from August, 2007 to August, 2008.)