*Résumé*

**Chung-Yee Lee**

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**EDUCATION**

Ph.D. - Operations Research, Yale University, 1984.

M.S. - Industrial Engineering, Northwestern University, 1980.

M.S. - Management Science, National Chiao-Tung University, 1976.

B.S. - Electronic Engineering, National Chiao-Tung University, 1972.

**PROFESSIONAL EXPERIENCE**

12/2012 - Cheong Ying Chan Professor Hong Kong University of Science & Technology (HKUST)

of Engineering

4/2012 - Senior Fellow Institute for Advanced Study, Hong Kong University of Science & Technology (HKUST)

9/2005- Chair Professor Industrial Engineering and Logistics Management Department

Hong Kong University of Science & Technology (HKUST)

2002- Founding Director Logistics and Supply Chain Management Institute, HKUST

2001-2008 Professor and Industrial Engineering and Logistics Management Department

Department Head Hong Kong University of Science & Technology

1996 - 2001 Rockwell Chair Professor Industrial Engineering Department, Texas A&M University

1997 Faculty Summer Intern Motorola, Semiconductor Products Sector

1995 - 1996 Visiting Professor Systems Engineering and Engineering Management,

Chinese University of Hong Kong

1994 - 1996 Professor Industrial and Systems Engineering, University of Florida

1989 - 1994 Associate Professor Industrial and Systems Engineering, University of Florida

1984 - 1989 Assistant Professor Industrial and Systems Engineering, University of Florida

1977 - 1979 Manager International Business Consulting Company (Taiwan)

1976 - 1977 Plant Manager Li-Chuan Sporting Equipment Manufacturing Co. (Taiwan)

1975 - 1976 Associate Manager International Business Consulting Company (Taiwan)

1974 - 1974 Engineer San-San Electronic Equipment Manufacturing Co. (Taiwan)

**FIELDS OF INTEREST**

Logistics and Supply Chain Management

Scheduling

Inventory Management

**AWARDS AND HONORS**

Distinguished Research Excellence Award: School of Engineering, HKSUT, 2013.

Principal Investigator and Project Coordinator: Theme-Based Research, First Round, (The only one in

business area), "Promoting Hong Kong's Ocean Container Transport Logistics Network,", (# T32-620/11), 1/11/2011 - 31/10/2016, HK$ 15,302,000, (including HKUST Matching Fund

$2,010,000)

Conduct a keynote speech entitled “Ocean Container Transport: Making Supply Chain Management

Effective” at INFORMS Annual Conference, Austin, TX, Nov. 2010. (INFORMS is the world's

largest professional society in ORMS, and its annual conference is the most important conference in our area - it has attracted close to 5,000 participants in 2010 Conference. Giving a keynote in the conference is one of the highest honors in our profession).

According to an article in ***Int. J. of Prod. Econ.*** (v. 120, 2009, p.540-551), which looked at all papers published in the 20 core journals during last 50 years in the field of production and operations management, Prof. Lee was ranked No.6 among all researchers worldwide in h-index and No.9 in total number of publications.

Fellow, Institute of Industrial Engineers (2005)

Fellow and Council Member, Hong Kong Academy of Engineering Sciences (2004)

Fellow, The Hong Kong Institution of Engineers (2002)

The Best Paper award: IIE Transactions on Operations Engineering 2004.  
Excellent Service Award: Production and Operations Management Society, as Board Member and

Regional VP of Australasia, May 2010.

Registered Professional Engineer (Florida)

Member, Tau Beta Pi

Member, Phi Beta Delta

Outstanding Faculty Award, Teacher of the Year, 1985 and 1988, Industrial and Systems Engineering, University of Florida

College of Engineering Teacher of the Year, 1988, Tau Beta Pi.

Who's Who Among Asian Americans

**STUEDENTS SUPERVISED**

***Masters Theses***

Surya Danusaputro

"Economic Lot Scheduling Problem: A Resolution of Two-Product Problem," 1987.

Chin-Tsun Lin

"Simulation Model for Blood Inventory Management in Shands Teaching Hospital," 1989.

Agus Wirakusumah

"Products Batching and Sequencing in NC Turret Machine," 1991.

Marijean Azrak

"Sequencing Policy for Post Test Operation in Semiconductor Manufacturing," 1993.

Alan C. Ebeling

"Cross-Training Effectiveness and Profitability in Assembly Line Production," 1993.

George Vairaktarakis

"Multicriteria Decision Making In Production Scheduling," 1994.

Ibrahim Wirjadi

"Internal Quality Auditing on ISO 9000," 1994.

Ashish Bharara

"Implementation of an Activity-Based Costing System in a Small Manufacturing Company," 1994.

Gregory H. Graves

“Application of the Genetic Algorithm for Global Scheduling and A Single Machine Scheduling

Problem with Periodic Maintenance and Semi-resumable Jobs,” 1998.

Haiyan Wang

“Two-stage Logistics Scheduling With Two-mode Transportation,” 2003.

Guo Zhou

“Tabu Search for Parallel Identical Machine Disruption Problem Considering Multiple

Transportation Modes,” 2006.

Yapeng Xie:

“Procurement Risk Management with Capacitated Option Contracts and Fixed Ordering Cost,” 2010.

Xi Li:

"Essays on Flexible Selling and Container Capacity Planning," 2013.

Tao Lu:

"Essays on Risk Management in Logistics," 2013.

***Ph.D. Dissertations***

Reha Uzsoy (Co-chair with Dr. Louis Martin-Vega)

"Production Scheduling Algorithms for Semiconductor Test Operations," 1990.

(School of Industrial Engineering, Purdue U, and North Carolina State U. (Chair Professor))

Surya Liman

"Scheduling with Capacities and Due-Dates," 1991.

(Industrial Engineering Department, Texas Tech University)

Chen-Sin Lin

"Essays in Production Scheduling with Dual Criteria," 1991.

(Industrial Engineering Department, Bradley University)

Jeffrey Herrmann

"An Investigation of Production Scheduling Problems Motivated by Semiconductor

Manufacturing," 1993.

(University of Maryland - College Park)

Hsin-Der Chen (Co-chair with Dr. Donald W. Hearn)

"New Techniques for Dynamic Lot Size Models," 1993.

(Providence University, Taiwan)

George Vairaktarakis

"Process Choice Decision in Manufacturing," 1994.

(School of Management, Case Western Reserve University)

Franz-Josef Kraemer

"Essays in Production Scheduling with Just-In-Time Related Performance Measures," 1994.

(SAP, Germany)

Diana Angelis

"The Effect of Activity Based Costing on Traditional Operations Research Models" 1996.

(Naval Postgraduate School)

Wikrom Jaruphongsa (Co-chair: Sila Cetinkaya)

“A General Class of Dynamic Lot-Sizing Models for Effective Logistics Management” 2001.

(National University of Singapore)

Yung-Chia Chang

“Worst-Case Anaylsis of Heuristics to Schedule Deterministic Two-Stage Production and Delivery

Problems,” 2001.

(National Chiao-Tung University).

Ke Fu

“Essays on the Management of Assemble-to-order Systems,” 2006

(Management School, Sun Yat-sen University)

Second Place Award, Dissertation Proposal Competition, Supply Chain and Logistics Engineering (SCALE), Florida, 2005.

Qi Fu (Co-chair: Chung Piaw Teo)

“Procurement Risk Management Using Options,” 2007 (Macau University)

First Place Award, Dissertation Proposal Competition, Supply Chain and Logistics Engineering

(SCALE), Florida, 2006.

Weihua Zhou

“Optimal Operation Policies with Heterogeneous Demand,” 2007

(Management School, Zeijiang University)

Mingzhu Yu

“Essays on container terminal operations management and competition,” 2012

(Department of Transportation Engineering, Shenzhen University)

Ruina Yang

“Supply Chain Contracting and Salesforce Compensation under Asymmetric Information,”

2012.

(School of Management, Xi’an Jiaotong Univeristy)

**COURSES TAUGHT**

*Undergraduate Level*

Production and Inventory Control

Operations Research

Industrial Organization and Management

Engineering Economy

Financial Management

Matrix Methods in Systems Engineering

Stochastic Processes and Reliability Models

*Graduate Level*

Game Theory and Its Applications in Logistics and Supply Chain Management   
Advanced Logistics Management

Advanced Production and Inventory Control

Advanced Topics in Scheduling Theory

Complexity Theory and Its Applications

Location Logistics of Industrial Facilities

Linear Programming and Network Optimization

**EDITORIAL SERVICE**

Associate Editor for Operations Research (Jan. 2006 - present)

Senior Editor for Journal of Production and Operations Management (Jan. 2004 - present)

Associate Editor for Naval Research Logistics (September 1998 - present)

Associate Editor for Flexible Services and Manufacturing Journal, (September 2011 - present)

Department Editor for Computers & Industrial Engineering (June 2006-present)

Editorial Board Member: Journal of Systems Science and Systems Engineering (Jan. 2003 – present)

Associate Editor for Journal of Scheduling (August 2001 - 2012)

Editorial Board Member: IIE Transactions on Scheduling and Logistics (Jan. 2001 – 2008)

Department Editor for Asia Pacific Journal of Operational Research (Oct. 2006-September 2007)

Senior Editor: International Journal of Electronic Business Management (January 2003- May 2005)

Associate Editor: Asia Pacific Review of Social Science and Technology (September 2001-2005)

Area Editor for Journal of Production and Operations Management (Jan. 1997 - 2003)

Editor for IIE Transactions on Scheduling and Logistics (Jan. 1997 – Dec. 2000)

Associate Editor for Journal of Manufacturing Systems (August 1993 – February 2002)

Guest Co-Editor (with L. Lei) for Annals of Operations Research, Special Issue on Scheduling (1996)

Guest Co-Editor (with S. C. Fang) for Chinese Institute of Industrial Engineers, Special Issue on

Softcomputing in Industrial Engineering.

Department Editor for IIE Transactions on Scheduling and Logistics (May 1994 - Dec. 1996)

Department Editor for IIE Transactions on Design and Manufacturing (Jan. 1993 - May 1994)

Associate Editor for IIE Transactions (Jan. 1991 - Dec. 1992)

**PROFESSIONAL ACTIVITIES**

Council Member, Hong Kong Academy of Engineering Sciences, 2008-present.

Research Advisor: Hong Kong R&D Center for Logistics and Supply Chain Management Enabling

Technologies, May 2012- present.

Council Member of Hong Kong R&D Center for Logistics and Supply Chain Management Enabling

Technologies, 2010- May 2011.

General Chair, Second POMS-HK International Conference, Jan. 2011, Hong Kong.

Member of the Committee of POMS effort focused on China, April 2011 – present.

Regional VP, Production and Operations Management Society, (in charge of Asia and Australia),

2007-2010.

University Committee Member on Appointments of University Professor and Chair Professor, HKUST

(Nov. 2011 – present)

Chair Professor Nomination Committee Member, SENG, HKUST (Nov. 2009- Oct. 2011)

Executive Committee Chair, IELM, HKUST, 2009 – present.

HKUST 20th Anniversary, Member of Publication Sub-Committee, 2010 - present

Regional VP: Institute of Industrial Engineers (in charge of Asia). 2006-2008.

Panel Member: National Chair Professorship Award, Ministry of Education, Taiwan.

Panel Member: Distinguished Research Award, NSC Taiwan.

Panel Member: Academic Award, Ministry of Education, Taiwan.

Advisory Committee Member: Inst. of Transportation, Ministry of Transportation, Taiwan, March, 2010.

Advisory Committee Member: College of Management, National Chiao Tung University, 2009 – present.

Advisory Committee Member: Dept of Ind. Mgt, National Taiwan Univ. of Sci. & Tech, March 2009

Panel Member: Hong Kong Logistics Award, 2007, 2008.

Panel Chair: The Future Trend of Air Logistics Industry: Hong Kong Air Cargo Termin/al, January, 2008.

Advisory Committee Member: College of Management, Chang Gung University, Taiwan, March 2008.

Advisory Committee Member: Institute of Industrial Engineering, National Taiwan University, June 2008.

Scientific Program Chair, Industrial Engineering and Systems Management - IESM'07, Beijing, May 2007.

General Chair for INFORMS International meeting in Hong Kong, 2006.

Member, Committee on Technology Education, Curriculum Development Council, HKSAR, 2005-2007.

Member, Lanchester Award Committee (INFORMS), 2004 - 2006.

Cluster Chair for the IFORS conference to be held in Hawaii, July 2005

Program Chair, Industrial Engineering and Systems Management - IESM'05, Marrakech, May 2005.

Member, Honorary Director Committee, IIE Hong Kong Chapter, 2003-2007.

Program Committee member and cluster chair for IERC 2004, Houston, TX, May 2004.

Cluster Chair for the INFORMS meeting in San Jose, CA, October 2002.

Program Chair for the INFORMS meeting in San Antonio, November, 2000.

Invited tutorial for INFORMS meeting in Salt Lake City, May 2000.

Meeting Committee member: INFORMS, 1997-2000.

Job Placement Committee member: INFORMS, 2000- 2002.

Organizing committee member for the Seventh International Workshop on Project Management and

Scheduling April17.-19. April, 2000, Osnabrueck, Germany.

Organizing committee member for *International Conference on Industrial Engineering and Production*

*Management* in Glasgow, England. (1999).

Cluster Chair for the INFORMS meeting in Montreal, CANADA, April 1998.

Organizing committee member for the Sixth International Workshop on Project Management and

Scheduling Istanbul, Turkey. July 7-9, 1998.

Cluster Chair for the INFORMS meeting in San Diego CA, May 1997.

Cluster Chair for the INFORMS meeting in Washington D.C., May 1996.

Cluster Chair for the ORSA/TIMS meeting in Detroit, October 1994.

Program Committee and Cluster Chair for the TIMS XXXIII International Meeting in Singapore, 1995.

General Chair for the ACME III/ICCM VI Joint International Conference in Los Angeles, 1993.

Program Co-chair for the EURO XII/TIMS XXXI Joint International Conference in Helsinki, Finland,

1992.

Invited by National Science Council (Taiwan) to conduct seminars on logistic management in four

universities (National Taiwan University, National Central University, Chung-Yuan Christian

University and Chang Gung University) in Taiwan (December 2000).

Visiting Scholar, Systems Engineering and Engineering Management, Chinese University of Hong Kong

(August 2000, December 1998, and December 1997; two weeks each time).

Invited by National Science Council (Taiwan) to conduct seminars on semiconductor manufacturing

scheduling in five universities (National Chiao-Tung University, National Chen-Kung University,

National Chung-Sin University, National Sun Yat-Sen University, Chung-Yuan Christian University)) and one semiconductor manufacturing company (United Micro Electronics) in Taiwan (June 1995).

Invited by Science Park of National Science Council and National Chiao-Tung University to conduct a two-day workshop entitled "Modern Production Management for High Technology Industries" August 16-17, 1993, Hsin-chu, TAIWAN (80 high ranked managers attended the workshop).

Invited by Hong Kong University of Science and Technology to assist them in developing curriculum for their newly established Industrial Engineering Department (July 19-24, 1993).

Invited by National Sun Yat-Sen University to conduct a one-week workshop entitled, "World Class Manufacturing," July 1992, Kaohsiung, TAIWAN.

President (1992-1993), President - Elect (1991-1992), Vice-President (1990-1991) for American Chinese Management Educators (ACME) Association

Faculty Advisor for Alpha Pi Mu Association (1987 - 1995) (National Outstanding Chapter Award,

First Place 1989, Second Place 1991, 1992 and 1994, Third Place 1993.)

Faculty Advisor for Chinese Student Association (1986, 1989)

Panelist for *National Science Foundation,* (1989 - 2000)

**INVITED TALKS (1993- 2001)**

Arizona State University

Case Western Reserve University

Chinese University of Hong Kong

City University of Hong Kong

Hong Kong University of Science and Technology

North Carolina State University

Northwestern University

Purdue University

Texas Tech University

University of California at Irvine

University of Illinois (Urbana Champion)

University of Michigan (Ann Arbor)

University of Minnesota

University of Mississippi

University of Pennsylvania

University of Texas at Austin

University of Texas at Dallas

University of Washington

Washington University

**RECENT INVITED TALKS**

Keynote Speaker: “Leading Practices of Logistics and Production Management Decision Technology,” The Third Annual Conference on Supply Chain Management, Bangkok, Thailand, August 2003.

Invited Speaker: “Research in Logistics and Supply Chain Management,” Chulalongkorn University, Bangkok, Thailand, August 2003.

Featured Speaker: “The Logistics Management Development in Hong Kong,” PKU-HKUST Shenzhen-Hong Kong Institution, 4th anniversary seminars, Shenzhen, September 2003.

Featured Speaker: “Logistics and Supply Chain Management: The Chinese Way,” The Executive MBA in Supply Chain Management (ETH, Switzerland), Hong Kong, March 2004.

Featured Speaker: “RFID: Making Supply Chain Management Effective” RFID Discovery Day, Hong Kong Productivity Center, March 2004.

Keynote Speaker: “Effective Logistics Management: Production Planning and Scheduling with Transportation Consideration,” National Combinatorial Optimization, 2004, Hangzhou, China, May 2004.

Featured Speaker: “Logistics and Supply Chain Management: The Chinese Way,” The Master of Technology Management Program (University of Pennsylvania), Hong Kong, May 2004.

Featured Speaker: “RFID: Making Supply Chain Management Effective” Wireless and Mobile Symposium, Convention Center, Hong Kong, June 2004.

Featured Speaker: “RFID and Supply Chain Management”, HKUST EDTLM Alumni Association special workshop. October, 2004.

Invited Speaker: “RFID and Supply Chain Management” Chinese Academy of Institute of Applied Mathematics, Chinese Academy of Sciences, December 2004.

Invited Speaker: “RFID and Supply Chain Management” School of Business, Chang Gung University (Taiwan). December 2004.

Featured Speaker: “Making Your Research in Scheduling and Logistics Effective,” Workshop on Research in Scheduling Theory, Tsinghua University, Beijing, June 2005.

Invited Speaker: “Logistics and Supply Chain Management: The Chinese Way,” Pontifical Catholic

University of Valparaiso, and Port of Valparaiso, (Chile), August 2005.

Keynote Speaker: “RFID and Supply Chain Management: Challenge and Opportunity,” HK Computer Society Annual Conference, November 2005.

Invited Speaker: “Making Your Research in Scheduling and Logistics Effective,” College of Management, National Chiao Tung University, (Taiwan), April 2006.

Invited Speaker: “Effective Sea Logistics Management,” Dalian City and Port Authority Special Consulting (Mainland China), July 2006.

Invited Speaker: “Effective Sea Logistics Management,” Qingdao Port, (Mainland China), July 2006.

Invited Speaker: “Making Your Research in Scheduling and Logistics Effective,” Pusan National University (Korea), August 2006.

Invited Speaker: “Making Your Research in Scheduling and Logistics Effective,” Pohang Science and Technology Institute, (Korea), August 2006.

Invited Speaker: “Making Your Research in Scheduling and Logistics Effective,” Korean Advanced Institute of Technology, (Korea), August 2006.

Invited Speaker: “Making Your Research in Scheduling and Logistics Effective,” Macao University, Macau, October 2006.

Invited Speaker: “Sea Logistics Management in China”, Haven Van Antwerpen, (Belgium), November 2006.

Keynote Speaker: “Making Your Research in Scheduling and Logistics Effective,” Workshop of Combinatorial Optimization: Theory and Applications, Ningbo, China, May 2007.

Featured Speaker: “Air and Sea Logistics Management in HK and PRD”, Nansha Science & Technology Forum, May 2007.

Invited Speaker: “Making Your Research in Scheduling and Logistics Effective,” National Central

University, Taiwan, June 2007.

Featured Speaker: “Port Logistics,” Supply Chain Thought Leaders Round Table, Kobe, Japan, June 2007.

Keynote Speaker: “Building Logistics and Supply Chain Excellence in Emerging Economy”, Annual Conference of The Operations Research Society in Taiwan, October, 2007.

Invited Speaker: “Making Your Research in Scheduling and Logistics Effective,” Singapore

Management University, October 2007.

Invited Speaker, “Making Your Research in Scheduling and Logistics Effective,” National Don Hwa University, Taiwan, October 2007.

Featured Speaker, “Port Logistics and Global Container Supply Chains,” Global Supply Chain

Joint Forum, Hangzhou, November, 2007.

Invited Speaker, “Building Logistics and Supply Chain Excellence in Emerging Economy”,

Chang Gung University, School of Management, Taiwan, March, 2008.

Invited Speaker, “Research and Publication: An Experience Sharing,” National Taiwan University, Taiwan, June 2008.

Keynote speaker: “Research and Publication: An Experience Sharing,” Annual Conference in Production and Operations Management, Kum Ming, China, July 2008.

Invited Speaker: “Logistics Management in Hong Kong and Pearl River Delta,” CILTHK, Nov. 2008.

Conducted 20 invited research talks at the following universities in 2009:

National Taiwan University,

National Chiao-Tung University,

National Tsinghua University,

National Taiwan U. of Sci. Tech.,

National Cheng Kung University,

National Central University,

National Sun-Yat Sun University,

National Don Hwa University,

Chang Gang U.,

Tunghai U.,

Feng Chia U.,

Dam Kang U,

Kainan U.,

Tung Nan U.,

Taichung Inst. of Tech.

Invited Speaker: “Research Trends and Publication Strategies in Logistics and Supply Chain

Management,” Hong Kong University, May 2010.

Keynote Speaker: “Ocean Container Transport: Making Supply Chain Management Effective’”

INFORMS Annual Conference, Austin, TX, Nov. 2010.

Invited Speaker: “Ocean Container Transport: Making Supply Chain Management Effective’”

National Chiao-Tung University, Hsinchu, Taiwan, May. 2011.

Keynote Speaker: “Current Trend of Research in Scheduling: Challenges and Opportunities”

International Symposium on Scheduling 2011, Osaka, Japan, July. 2011.

Invited Speaker: “Research and Publication in Logistics Management : An Experience Sharing,”

City University of Hong Kong, September, 2011.

Invited Speaker: “Ocean Container Transport: Making Supply Chain Management Effective’”

Huazhong University of Science and Technology, Wuhan, October. 2011.

Invited Speaker: “Research and Publication in Logistics Management : An Experience Sharing,”

Huazhong University of Science and Technology, Wuhan, October. 2011.

Keynote Speaker: “Ocean Container Transport: Making Supply Chain Management Effective,”

World Port Strategy Forum, Shenzhen, October. 2011.

Keynote Speaker: "Ocean Container Transport: Making Supply Chain Management Effective," 2011 in Mainland-Hong Kong Operations and Logistics Management Forum, Guangzhou, November, 2011

Invited Speaker: “Ocean Container Transport: Making Supply Chain Management Effective" National

Normal University, Taipei, Taiwan, May 2012.

Invited Speaker: “Research and Publication in Logistics Management : An Experience Sharing,”

National Normal University, Taipei, Taiwan, May 2012.

Keynote speaker: “Ocean Transport Logistics and Supply Chain Management,” Ministry of

Communication and Transportation*, Taiwan,* Kaoshiung Taiwan. June 2012.

Invited Speaker: “Ocean Container Transport: Making Supply Chain Management Effective" Tsinghua

University, Beijing, China, November, 2012.

Keynote Speaker: “Ocean Transport Logistics and Supply Chain Management,” Supply Chain Workshop, Singapore Management University. December 2012.

Invited Speaker: “Ocean Container Transport: Making Supply Chain Management Effective" Sun Yat-sen University, Guangzhou December , 2012.

Keynote Speaker: “ “Ocean Transport Logistics: Making Global Supply Chain Effective,” Spring Research Conference on Systems Engineering and Management Science 2013, Shenzhen, May 2013.

Keynote Speaker: “Ocean Transport Logistics and Supply Chain Management,” Supply Chain Workshop, The 2013 International Conference on Logistics and Maritime Systems, Singapore , September 2013.

Invited Speaker: “Ocean Logistics and Supply Chain Management, School of Economics and Management, Beijing Jiaotong University, Beijing, October 2013.

**GRANTS**

Principal Investigator, National Science Foundation Grant, "Efficient Algorithms for Some Production Planning Problems," September 15, 1985 - February 29, 1988. Amount $59,997.

Principal Investigator, (Co-PI: Louis Martin-Vega), Northern Telecom., Inc., West Palm Beach, Florida, "Drill Sorting," September 1987-February 1988. Amount $7,000.

Co-principal Investigator, (PI: Jack Elzinga), International Business Machine Co. (IBM) Boca Raton, Florida, "Continuous Flo w Manufacturing," February 1988 - August 1988. Amount $45,000.

Co-principal Investigator, (PI: Louis Martin-Vega), Florida High Technology and Industrial Council, "Development of a Center for Applied Research in Electronics Manufacturing," January 1988 - December 1988. Amount $20,000.

Co-principal Investigator, (PI: Louis Martin-Vega), Martin Marietta Co. "Operational Review of Design, Development and Manufacturing Operations," September 1988 - December 1988. Amount $29,000.

Co-principal Investigator, (PI: Louis Martin-Vega),Florida High Technology and Industrial Council, "Development of a Center for Applied Research in Electronics Manufacturing," January 1989 - December 1989. Amount $20,000.

Principal Investigator, Harris Corporation and University of Florida, "Development and Implementation of a Decision Support System for Scheduling Semiconductor Test Operations," August 1989- August 1990. Amount $50,423.

Principal Investigator, Harris Corporation and University of Florida, "A Decision Support System for Scheduling Semiconductor Test and Burn-In Operations," August 1990 - August 1991. Amount $51,459.

Principal Investigator, EXACT, Inc. "Development of a Decision Support System for Implementation of Just-In-Time and Flexible Manufacturing Systems," August 1990 - August 1991. Amount $23,944.

Co-principal Investigator, (PI: Jack Elzinga), International Business Machine Co. (IBM), Boca Raton, Florida, "Business Process Simplification" January 1991- December 1991. Amount $65,000.

Co-principal Investigator, (PI: Gary Koehler), International Business Machine Co. (IBM), Boca Raton, Florida, "Knowledge-Based Scheduling for Semiconductor Test Operations" May 1991 - August 1991. Amount $65,000.

Principal Investigator, Harris Corporation and University of Florida, "Job Shop Scheduling for Semiconductor Test Operations," August 1991 - August 1992. Amount $47,526.

Co-principal Investigator, (Co-PI: Jack Elzinga), International Business Machine Co. (IBM), Boca Raton, Florida, "Research and Analysis of Business Process Management" March 1992- December 1992. Amount $50,000.

Principal Investigator, Harris Corporation and University of Florida, "Global Job Shop Scheduling for Semiconductor Test Operations," August 1992 - August 1993. Amount $42,195.

Principal Investigator, National Science Foundation, "Decision Support System for Dynamic Job Shop Scheduling," August 1992 - August 1994. Amount $80,000.

Co-principal Investigator, (PI: Jack Elzinga), International Business Machine Co. (IBM), Boca Raton, Florida, "Business Process Management Clearinghouse for Manufacturing Process Practices" April 1993- December 1993. Amount $35,000.

Co-principal Investigator, (PI: Jack Elzinga), AT & T Paradyne, Largo, Florida, "Business Process Management Clearinghouse April 1993- December 1993. Amount $25,000.

Principal Investigator, Harris Corporation and University of Florida, "Scheduling in Semiconductor Fab Operations," August 1993 - August 1994. Amount $35,190.

Principal Investigator, National Science Foundation and the State of Florida, "Creation of a Bachelor of Innovation and Technology Degree to be Jointly Offered by the College of Engineering and the College of Business Administration," October 1, 1993 - February 28, 1995, Amount $60,000.

Principal Investigator, (Co-PI: Jack Elzinga), International Business Machine Co. (IBM), Boca Raton, Florida, "Benchmark Activity-Based Costing Software Packages," October 1993 - February 1994. Amount $30,000.

Principal Investigator, Harris Corporation and University of Florida, "Dispatch Enhancement in Semiconductor Fab Operations," August 1994 - August 1995. Amount $60,000.

Co-principal Investigator, (PI: Xiaoqiang Cai), Research Grants Council of Hong Kong, “New Scheduling Models with Applications to Berth Allocation,” (CUHK 356/96E), September 1996-August 1999, Amount HK$654,000. (1US$ = 7.8 HK$)

Principal Investigator, (Co-PI: Xiaoqiang Cai), Research Grants Council of Hong Kong, “Stochastic Scheduling Subject to Machine Availability Constraints,” (CUHK 363/96E), September 1996-August 1999, Amount HK$416,000. (Funded and Returned to Hong Kong Government because of PI’s back to U.S.)

Co-principal Investigator, (PI: Houmin Yan), Research Grants Council of Hong Kong, “Manufacturing Logistics Re-engineering: Sequencing and Merging - with applications to Electronic Equipment Assembly and Distribution” (CUHK 4181/98E), September 1998-August 2001, Amount HK$380,000.

Principal Investigator, (Co-PI: Andy Boyd), National Science Foundation, "A New Perspective on Machine Scheduling," September 1, 1997 - August 31, 2000, Amount $168,588.

Principal Investigator, (Co-PI: Sila Cetinkaya), National Science Foundation, "Third Party Warehousing: Making Logistics Management Effective,” September 1, 1999- August 31, 2001, Amount $181,000.

Principal Investigator, (Co-PI: Sila Cetinkaya), Texas Engineering Education Coordination Board "Third Party Warehousing for Effective Manufacturing Logistics,” January 1, 2000- August 31, 2001, Amount $100,700.

Co-principal Investigator, (PI: Xiaoqiang Cai), Research Grants Council of Hong Kong, “Scheduling with

Negotiable Third-Party Machines" (CUHK 356/96E), December 1, 2001- November 30, 2004, Amount:

HK$580,873.

1US$ = 7,8HK$

Principal Investigator and Project Manager, (Other PIs: Vernon Hsu, Raymond Cheung, Chung-Lun Li,

Jiyin Liu, Mitch Tseng, Yat-Wah Wan), Innovation and Technology Fund “Decision Support Tools for Intelligent Multi-modal Transportation Logistics” (ITS/225/01), April 1, 2002- September 30, 2004. Amount: HK$6,207,000.

Principal Investigator, Direct Allocation Grant, “Inventory Lot Sizing Model and Outbound Shipment Consolidation at a Third Party Warehouse,” January 1, 2002-December 31, 2002. Amount HK$100,000.

Principal Investigator, Philips Medical Systems, “Decision Technology for Establishing Logistics Centers,” April 1, 2002- August 31, 2002. Amount HK$150,000.

Principal Investigator, Research Grants Council of Hong Kong, “Two-stage Logistics Scheduling with Multiple Transportation Models,” (HKUST 6010/02E), December 2002- December 2004, Amount HK$413,404.

Principal Investigator, (Co-PI: Gang Yu), Research Grants Council of Hong Kong, “Logistics Scheduling and Management under Disruptions,” (HKUST 6145/03E), December 2003-December 2005, Amount HK$377,149.

Principal Investigator, (PM: Andrew Lim), Innovation and Technology Fund, “Advanced Distribution and Transportation Systems: Research and Development into Interoperability and Collaborative Commerce,” UIM/127. Dec 2003 –December 2004. HK$2,704,000 .

Co-principal Investigator, (PI: David Wu), National Science Foundation, “Demand Planning and Supply Chain Coordination in the Contract Manufacturing Environments,”3 years, US$ 400,000.

Principal Investigator, Research Grants Council of Hong Kong, “Effective Inventory/Production management in an Assemble-to-Order System,” (HKUST 6153/04E), September 2004- August 2007,

Amount HK$506,447.

Principal Investigator, (Co-PI: Jeff Hong), Hong Kong Air Cargo Terminal, “Terminal Capacity Evaluation,” October 2004 - February 2005, Amount HK$500,000.

Principal Investigator, ASAT Ltd, “Production Planning and Scheduling System,” October 2004 - February 2005, Amount HK$150,000.

Principal Investigator, (Co-PI: Andrew Lim), Innovation and Technology Fund through GS1, HK, “Requirement and Feasibility Study on PRC-HK Cross Border Information and Process Enhancement Using RFID Related Technology,” April 2005 – February 2006, Amount HK$ 750,000.

Principal Investigator, (Co-PI: Andrew Lim), Innovation and Technology Fund through GS1, HK, “Return on

Investment: Implementation of RFID/EPC” Oct. 2005 – June 2006, Amount HK$ 600,000.

Principal Investigator, The Croucher Foundation, “2006 INFORMS International conference – Hong Kong,” Amount HK$ 100,000.

Principal Investigator, The C. K. Wong Education Foundation, “2006 INFORMS International conference – Hong Kong,” Amount HK$ 50,000.

Principal Investigator, (Co-PI: Xiangtong Qi), Hong Kong International Terminal, “Analysis on an Automatic Stacking Crane System,” Jan. 2007 – June 2007, Amount HK$ 400,000.

Principal Investigator, (Co-PI: Xiangtong Qi), NSFC/RGC Joint Research Scheme, “In-Bound Logistics Scheduling,” (N-HKUST612/06), Jan. 2007 – June 2010, Amount HK$ 730,700.

Principal Investigator, (Co-PI: Chung Piaw Teo), Research Grants Council of Hong Kong, (615607), “Procurement Risk management using options,” Sept. 2007 – March. 2010, HK$382,800.

Principal Investigator, The Hong Kong Society of Rehabilitation, “Rehabus Information Management System (RIMS II),” March 2007 – March 2008, HK$470,000.

Principal Investigator, (Co-PI: Jeff Hong, Ajay Joneja), Jardine OneSolution (HK) Limited,

“Decision Support System for Inventory Replenishment,” March 2008- July 2008. HK$200,000.

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