

Chinpei Tang

Engineering Team Leader

Caterpillar Global Mining Division

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ACADEMIC PREPARATION

Post-Doc, Mechanical Engineering, University of Texas at Dallas, Richardson TX *Dec 2008 – Aug 2011*
Supervisor: Dean Mark W. Spong

Ph.D., Mechanical Engineering, University at Buffalo, Buffalo NY *Feb 2009*
Dissertation: Design and Control Framework for Cooperative Mobile Robot Collectives
Advisor: Prof. Venkat N. Krovi

Advanced Graduate Certificate in Computational Science, University at Buffalo, Buffalo NY *Feb 2006*
Center for Computational Research (CCR)

M.S., Mechanical Engineering, University at Buffalo, Buffalo NY *Jun 2004*
Thesis: Manipulability-Based Analysis of Payload Transport by Robot Collectives
Advisor: Prof. Venkat N. Krovi

B.S., Mechanical Engineering (with honors), University at Buffalo, Buffalo NY *Feb 2002*
Minor: Mathematics
Project: Design of a Storage Container Loading/Unloading Device for a Truck
Advisor: Prof. Christina L. Bloebaum

Diploma, Engineering and Applied Sciences, Inti College Malaysia, Malaysia *Aug 2000*

INDUSTRIAL EXPERIENCE

Engineering Team Leader *Feb 2012 – present*
Caterpillar Inc., Global Mining Division, Denison TX

Quality Assurance Engineer – Intern *Feb 2007 – Mar 2007*
Winfield Industries, Inc., Buffalo NY
- Project: Software Development of Mobile Temperature Data Collection System

RESEARCH EXPERIENCE

Research Associate *Dec 2008 – Aug 2011*
University of Texas at Dallas, Richardson TX
- Laboratory for Autonomous Robotics and Systems (LARS)
- Research Project: Human-in-the-loop Multi-Robot Tele-manipulation
- Supervisor: Dean Mark W. Spong

Visiting Researcher *Jul 2010 – Sep 2010*
Air Force Research Laboratory, Air Vehicles Directorate, Wright-Patterson AFB OH
- Research Project: Mechanism Analysis for Biomimetic Flapping Vehicles
- Supervisor: Dr. David B. Doman

Research Assistant *Jun 2003 – Dec 2004, Jun 2005 – Dec 2006, Jun 2007 – Nov 2008*
Department of Mechanical and Aerospace Engineering, University at Buffalo, Buffalo NY
- Automation, Robotics & Mechatronics Laboratory (ARM Lab)
- Major Research Project: Cooperative Payload Transport by Robot Collectives
- Supervisor: Prof. Venkat N. Krovi

TEACHING EXPERIENCE

Robotics Engineering Instructor *Sep 2011 – present*
Art and Technology Institute, Frisco TX
- Robotics 1 (Lego WeDo), Robotics 2 (Lego Mindstorms), Boy Scouts of America, Robotics Merit Badge Course

Part-Time Faculty/Instructor *May 2006 – Jun 2006, Jan 2008 – May 2008*
Department of Mechanical and Aerospace Engineering, University at Buffalo, Buffalo NY

- Courses: MAE477/577 – CAD Applications [64 students], MAE377 – Product Design in a CAD Environment [23 students]

Teaching Assistant

Jan 2002 – May 2003, Jan 2005 – May 2005, Jan 2007 – May 2007

Department of Mechanical and Aerospace Engineering, University at Buffalo, Buffalo NY

- Courses: MAE340 – System Analysis, MAE444/544 – Digital Control, MAE476/576 – Mechatronics, MAE412 – Machines & Mechanisms II

PUBLICATIONS

Journal Articles:

- [J1] D. B. Doman, **C. P. Tang**, and S. J. S. Regisford, “Modeling Interactions Between Flexible Flapping-Wing Spars, Mechanisms, and Drive Motors,” *ALAA Journal of Guidance, Control and Dynamics*, Vol. 34, No. 5, pp. 1457-1473, September-October 2011, doi:10.2514/1.53083.
- [J2] **C. P. Tang**, P. T. Miller, V. N. Krovi, J.-C. Ryu and S. K. Agrawal, “Differential Flatness-based Planning and Control of a Wheeled Mobile Manipulator – Theory and Experiment”, *IEEE/ASME Transactions on Mechatronics*, Vol. 16, No. 4, August 2011, doi:10.1109/TMECH.2010.2066282.
- [J3] **C. P. Tang**, Z. Xue and Y. Wang, “On Teaching CAD/CAE Applications Course”, *Journal of Online Engineering Education*, Vol. 2, No. 1, Article 2, June 2011.
- [J4] G. D. White, R. M. Bhatt, **C. P. Tang** and V. Krovi, “Experimental Evaluation of Dynamic Redundancy Resolution in a Nonholonomic Wheeled Mobile Manipulator,” *IEEE/ASME Transactions on Mechatronics*, Vol. 14, No. 3, pp. 349-357, June 2009, doi:10.1109/TMECH.2009.2008802.
- [J5] R. M. Bhatt, **C. P. Tang**, L.-F. Lee and V. Krovi, “A Case for Scaffolded Virtual Prototyping Tutorial Case-Studies in Engineering Education,” *International Journal of Engineering Education*, Vol. 25-1, pp.84-92, January 2009, ISSN 0949-149X.
- [J6] R. M. Bhatt, **C. P. Tang** and V. Krovi, “Formation Optimization for a Fleet of Wheeled Mobile Robots – A Geometric Approach,” *Robotics & Autonomous Systems*, Vol. 57, No. 1, pp. 102-120, January 2009, doi:10.1016/j.robot.2006.12.012.
- [J7] W. A. Khan, **C. P. Tang**, and V. Krovi, “Modular and Distributed Forward Dynamic Simulation of Constrained Mechanical Systems – A Comparative Study”, *Mechanism and Machine Theory*, Vol. 42, No. 5, pp. 558-579, May 2007, doi:10.1016/j.mechmachtheory.2006.05.002.
- [J8] **C. P. Tang** and V. Krovi, “Manipulability-Based Configuration Evaluation of Cooperative Payload Transport by Mobile Manipulator Collectives,” *Robotica*, Vol. 25, No. 1, pp. 29-42, January 2007, doi:10.1017/S0263574706002979.
- [J9] M. Abou-Samah, **C. P. Tang**, R. M. Bhatt and V. Krovi, “A Kinematically Compatible Framework for Cooperative Payload Transport by Nonholonomic Mobile Manipulators,” *Autonomous Robots*, Vol. 21, No. 3, pp. 227-242, November 2006, doi:10.1007/s10514-005-9717-9.
- [J10] **C. P. Tang**, R. M. Bhatt, M. Abou-Samah, and V. Krovi, “A Screw-Theoretic Analysis Framework for Payload Transport by Mobile Manipulator Collectives,” *IEEE/ASME Transactions on Mechatronics*, Vol. 11, No. 2, pp. 169-178, April 2006, doi:10.1109/TMECH.2006.871092.

Refereed Conference Papers:

- [C1] A. Sanchez, V. Parra-Vega, **C. P. Tang**, F. Oliva-Palomo, C. Izaguirre-Espinosa, “Continuous Reactive-based Position-Attitude Control of Quadrotors,” *Proceedings of the American Control Conference*, Montreal, Quebec, Canada, June 27-29, 2012.
- [C2] X. Zhou, **C. P. Tang** and V. N. Krovi, “Analysis Framework for Cooperating Mobile Cable Robots,” *Proceedings of the IEEE Conference on Robotics and Automation*, St. Paul, Minnesota, USA, May 14-18, 2012.
- [C3] D. B. Doman, **C. P. Tang**, and S. J. S. Regisford, “Modeling Interactions between Flexible Flapping Wing Spars, Mechanisms, and Drive Motors,” Paper 2011-6389, *Proceedings of the ALAA Guidance, Navigation, and Control Conference*, Portland, Oregon, USA, August 8-11, 2011.
- [C4] **C. P. Tang**, M. Goeckner and M. W. Spong, “Robotic Project-based Pre-training for In-coming Undergraduate Mechanical Engineering Students”, *Proceedings of the ASME International Design Engineering and Technical Conference*, Montreal, Quebec, Canada, August 15-18, 2010.
- [C5] **C. P. Tang**, Z. Xue and Y. Wang, “Innovative Approaches and Lesson Learned in Teaching CAD/CAE Applications Course”, *Proceedings of the ASME International Design Engineering and Technical Conference*, Montreal, Quebec, Canada, August 15-18, 2010.
- [C6] K. Yu, L.-F. Lee, **C. P. Tang**, and V. N. Krovi and, “Enhanced Trajectory Tracking Control with Active Lower Bounded Stiffness Control for Cable Robot”, *Proceedings of the 2010 IEEE International Conference on Robotics and Automation*, Anchorage, Alaska, USA, May 3-8, 2010.
- [C7] **C. P. Tang**, “Configuration Optimization for Multiple Nonholonomic Mobile Manipulators with Holonomic Interactions”, *Proceedings of the 42nd Southeastern Symposium on System Theory*, Tyler, Texas, USA, March 7-9, 2010.

- [C8] **C. P. Tang**, “Differential Flatness-based Kinematic and Dynamic Control of a Differentially Driven Wheeled Mobile Robot”, *Proceedings of the 2009 IEEE International Conference on Robotics and Biomimetics*, Guilin, Guangxi, China, December 19-23, 2009.
- [C9] **C. P. Tang**, P. T. Miller, V. N. Krovi, J.-C. Ryu, and S. K. Agrawal, “Kinematic Control of Wheeled Mobile Manipulator – A Differential Flatness Approach,” *Proceedings of the 2008 ASME Dynamic Systems and Control Conference*, Ann Arbor, Michigan, USA, October 20-22, 2008.
- [C10] R. M. Bhatt, **C. P. Tang**, M. Abou-Samah, and V. Krovi, “A Screw-Theoretic Analysis Framework for Payload Transport by Mobile Manipulator Collectives,” IMECE2005-81525, *Proceedings of the 2005 ASME International Mechanical Engineering Congress & Exposition*, Orlando, Florida, USA, November 5-11, 2005.
- [C11] **C. P. Tang**, and V. Krovi, “Manipulability-Based Configuration Evaluation of Cooperative Payload Transport by Mobile Robot Collectives,” DETC2004-57476, *Proceedings of the 2004 ASME Design Engineering Technical Conferences and Computer and Information in Engineering Conferences*, Salt Lake City, Utah, USA, September 28 – October 2, 2004.
- [C12] **C. P. Tang**, R. M. Bhatt, and V. Krovi, “Decentralized Kinematic Framework for Payload Transportation by a System of Mobile Manipulators,” *Proceedings of the 2004 IEEE International Conference on Robotics and Automation*, New Orleans, Louisiana, USA, April 26 – May 1, 2004.
- [C13] R. M. Bhatt, **C. P. Tang**, and V. Krovi, “Geometric Motion Planning and Formation Optimization for a Fleet of Nonholonomic Mobile Robots,” *Proceedings of the 2004 IEEE International Conference on Robotics and Automation*, New Orleans, Louisiana, USA, April 26 – May 1, 2004.
- [C14] R. M. Bhatt, **C. P. Tang**, L.-F. Lee, and V. Krovi, “Web-Based Self-Paced Virtual Prototyping Tutorials,” DETC2003/CIE48201, *Proceedings of the 2003 ASME Design Engineering Technical Conferences and Computer and Information in Engineering Conferences*, Chicago, Illinois, USA, September 2-6, 2003.

Conference Abstract:

- [C15] **C. P. Tang**, R. M. Bhatt, V. N. Krovi, “Cooperative Payload Transport by Robot Collectives”, *Presented at the 2009 IEEE Conference on Automation Science and Engineering*, Bangalore, India, August 22-25, 2009, invited.
- [C16] **C. P. Tang**, “Decoupled Dynamic Control of a Nonholonomic Wheeled Mobile Manipulators”, *Presented at the Third Annual New England Manipulation Symposium (NEMS)*, Rensselaer Polytechnic Institute, Troy, NY, Jun 1, 2007.

PRESENTATIONS/SEMINARS

Seminars:

- [S1] “Differential Flatness Approach to Control of a Nonholonomic Wheeled Mobile Manipulator”, MAE Departmental Seminar, Department of Mechanical and Aerospace Engineering, University at Buffalo, Buffalo NY, November 6, 2008.
- [S2] “System Level Evaluation and Control of Wheeled Mobile Manipulator Collectives in Cooperative Payload Transport Application”, Center for Automation Technologies and Systems (CATS), Rensselaer Polytechnic Institute (RPI), Troy NY, August 1, 2008.
- [S3] “Kinematic Performance Evaluation and Control of Wheeled Mobile Manipulator Collectives”, MAE Praxiar Seminar, Department of Mechanical and Aerospace Engineering, University at Buffalo, Buffalo NY, February 7, 2008.

Conference Presentations:

- [CP1] “Robotic Project-based Pre-training for In-coming Undergraduate Mechanical Engineering Students”, at *the ASME International Design Engineering and Technical Conference*, Montreal, Quebec, Canada, August 17, 2010.
- [CP2] “Innovative Approaches and Lesson Learned in Teaching CAD/CAE Applications Course”, at *the ASME International Design Engineering and Technical Conference*, Montreal, Quebec, Canada, August 17, 2010.
- [CP3] “Configuration Optimization for Multiple Nonholonomic Mobile Manipulators with Holonomic Interactions”, at *the 42nd Southeastern Symposium on System Theory*, Tyler, Texas, USA, March 8, 2010.
- [CP4] “Differential Flatness-based Kinematic and Dynamic Control of a Differentially Driven Wheeled Mobile Robot,” at *IEEE International Conference on Robotics and Biomimetics*, Guilin, Guangxi, China, December 22, 2009.
- [CP5] “Kinematic Control of Wheeled Mobile Manipulator – A Differential Flatness Approach,” at *ASME Dynamic Systems and Control Conference*, Ann Arbor, MI, October 21, 2008¹.
- [CP6] “Decoupled Dynamic Control of a Nonholonomic Wheeled Mobile Manipulators”, at *Third Annual New England Manipulation Symposium*, Rensselaer Polytechnic Institute, Troy, NY, June 1, 2007.
- [CP7] “A Screw-Theoretic Analysis Framework for Payload Transport by Mobile Manipulator Collectives,” at *2005 ASME International Mechanical Engineering Congress & Exposition*, Orlando, FL, November 10, 2005.

¹ Recipient of Best Presentation Award, see also Awards section.
Chinpei Tang

- [CP8] “The Smart Car Project: Development and Implementation of a Modular Scaled Test-Bed,” at *2005 18th Annual CSE Graduate Research Conference*, Department of Computer Science and Engineering, University at Buffalo, Buffalo, NY, March 28, 2005.
- [CP9] “Manipulability-Based Configuration Evaluation of Cooperative Payload Transport by Mobile Robot Collectives,” at *2004 ASME Design Engineering Technical Conferences and Computer and Information in Engineering Conferences*, Salt Lake City, UT, October 1, 2004.
- [CP10] “Decentralized Kinematic Framework for Payload Transportation by a System of Mobile Manipulators,” at *2004 IEEE/ICRA International Conference on Robotics and Automation*, April 30, 2004, New Orleans, LA.
- [CP11] “Virtual Prototyping in Machines & Mechanisms Design,” at *EDS News Conference Presentation*, School of Engineering and Applied Sciences, University at Buffalo, Buffalo, NY, July 18, 2003.

Selected Poster Presentations:

- [PP1] “Decentralized Swarming by Robot Collectives”, *UB Engineering Graduate Student Poster Competition*, University at Buffalo, April 18, 2007².
- [PP2] “Decentralized Kinematic Control of Payload Transport by Mobile Manipulator Collectives,” *Sigma-Xi Research Day Poster Presentation*, Sigma Xi, The Scientific Research Society, Center for Tomorrow, University at Buffalo, April 26, 2005.

REVIEW/EDITORIAL SERVICES

Reviewer for Journal Articles (47)

- Automatica (1)
- Asian Journal of Control (2)
- ASME Journal of Dynamic Systems, Measurement and Control (6)
- Autonomous Robots (2)
- Control Engineering Practice (2)
- IEEE Transactions on Control System Technology (3)
- IEEE Transactions on Robotics (16)
- Industrial Robot (9)
- Journal of Bionic Engineering (1)
- Journal of Intelligent and Robotic Systems (4)
- Systems & Control Letters (1)

Reviewer for Conference Proceedings (44)

- ASME Design Engineering and Technical Conference/Computer and Information in Engineering Conferences (DETC/CIE) (4)
- ASME Dynamic Systems and Control Conference (DSCC) (1)
- ASME International Mechanical Engineering Congress & Exposition (IMECE) (3)
- IEEE Conference on Decision and Control (CDC) (1)
- IEEE International Conference on Robotics and Automation (ICRA) (18)
- IEEE Multi-conference on Systems and Control (MSC) (1)
- IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM) (1)
- IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (7)
- IFAC Symposium on Fault Detection, Supervision and Safety of Technical Processes (SafeProcess) (2)
- IFAC World Congress (WC) (1)
- The Southeastern Symposium on System Theory (SSST) (1)
- The World Congress on Engineering and Computer Science (WCECS) (4)

Session Chair (3)

- The Southeastern Symposium on System Theory (1)
- IEEE International Conference on Robotics and Biomimetics (2)

Conference Committee (2)

- International Conference on Control, Automation, Robotics and Vision (ICARCV)
- The World Congress on Engineering and Computer Science (WCECS)

² Recipient of Honorable Mention in UB Engineering Poster Competition, see also Awards section.
Chinpei Tang

Reviewer for Research Agency (1)

- South Africa's National Research Foundation (NRF) (1)

Student Competitions (15)

- 2012 National Engineers Week Foundation Annual Future City ® Competition (5)
- 2011 National Engineers Week Foundation Annual Future City ® Competition (6)
- 2010 BEST Robotics First Annual National Championship (6)
- 2005 ASME Schlumberger Student Mechanism Design Competition (Graduate Division) (3)

GRANTS/FINANCIAL AWARDS

Air Force Research Laboratory Air Vehicles Directorate Short-Term Research Program

Jul 26 – Sep 29, 2011

Project: Equilibration of Mechanism in Flapping Wing MAV (Declined)

Funding Source: AFRL/RBCA

Air Force Research Laboratory Air Vehicles Directorate Short-Term Research Program

Jul 5 – Sep 24, 2010

Project: Mechanism Design for Biomimetic Flapping Vehicles

Funding Source: AFRL/RBCA

Student Travel Grant

Oct 20 – 22, 2008

Purpose: Travel to ASME Dynamic System and Control Conference in Ann Arbor, Michigan

Funding Source: NSF and ASME

NYS/GSEU Professional Development Award

Sep 1, 2002 – Jun 30, 2003

Project: Nonlinear Control of Cooperative Wheeled Mobile Manipulators

Funding Source: New York State Graduate Student Employee Union

AWARDS/HONORS

- Marquis Who's Who in America, 2009, 2011
- Marquis Who's Who in Science and Engineering, 2007, 2010
- ScienceDirect TOP25 Hottest Articles for journal paper "Formation Optimization for a Fleet of Wheeled Mobile Robots – A Geometric Approach", October – December 2008
- Best Presenter Award, ASME Dynamics System and Control Conference, 2008
- ALANA Certificate of Achievement, UB Student Life – Intercultural and Diversity Center & Center for Academic Development Services, 2008
- Honorable Mention, UB Engineering Graduate Student Poster Competition, 2007
- Who's Who Among Students in American Universities and Colleges, 2004

ORGANIZATIONAL AFFILIATION

- Chinese Institute of Engineers (CIE) – USA, DFW Chapter, Member, 2010
- International Society of Bionic Engineering (ISBE), Invited Member, 2010
- Sigma Xi, The Scientific Research Society, Inducted Full Member, 2009
- American Society of Engineering Education (ASEE), Member, 2008
- American Society of Mechanical Engineers (ASME), Member, 2003
- Institute of Electrical and Electronics Engineers (IEEE), Member, 2002
- Golden Key International Honour Society, Inducted Member, 2001
- Tau Beta Pi Engineering Honor Society, New York Nu Chapter, Inducted Member, 2001

MISCELLANEA

Organizational Committee:

- VP of Youth Programs, CIE/USA-DFW Chapter, 2012
- VP of Public Relations, CIE/USA-DFW Chapter, 2011
- News Release Chair, CIE/USA-DFW Chapter, 2011
- Treasurer, Malaysian Student Association, University at Buffalo, 2001-2002

Guest/Substitute Lecturer:

- Substituted 4 classes for the course MECH 1208 – Introduction to Mechanical Engineering, for Dr. G. Lee, University of Texas at Dallas, Spring 2010

- “Introduction to Robotics”, and “Forward and Inverse Kinematics of Planar Manipulators”, for the course MAE596 – Mathematical Methods in Robotics, for Prof. V. Krovi, University at Buffalo, Fall 2008
- “Analysis of Numerical Methods in Solving ODE’s in MATLAB”, for the course MAE596 – Mathematical Methods in Robotics, for Prof. V. Krovi, University at Buffalo, Spring 2007
- “Introduction to Solid Edge and Dynamic Designer”, for the course MAE412 – Machines and Mechanisms II, for Prof. V. Krovi, University at Buffalo, Fall 2006
- “Formulation and Numerical Solutions of Dynamic Problems for Unconstrained Mechanical Systems”, for the course MAE596 – Mathematical Methods in Robotics, for Prof. V. Krovi, University at Buffalo, Fall 2005
- “Solving ODE using MATLAB”, for the course MAE505 – Robotics, for Prof. V. Krovi, University at Buffalo, Fall 2003 and Fall 2004
- “Introduction to Solid Edge”, for the course MAE177 – Introduction to Mechanical Engineering, for Prof. K. Lewis, University at Buffalo, Fall 2002
- “Introduction to MATLAB”, for the course MAE412 – Machines and Mechanisms II, for Prof. V. Krovi, University at Buffalo, Fall 2002

Educational Outreach Mentor, Volunteer and Presenter:

- CIE Youth Engineering Fair, Chair, Chinese Institute of Engineers, DFW Chapter, Jun 4, 2011, QD Academy. Attracted 116 registered students from Grade 1 to 12 within the DFW area, and managed a total of 50 volunteers.
- Parish Engineering Board, judging 4 student projects in Advanced Engineering Design course by Mr. Aaron Hampshire, Parish Episcopal School, December 8, 2010 and February 22, 2011.
- Math Competition/Math Fun Event, proctor and grader, Chinese Institute of Engineers, DFW Chapter, Jun 5, 2010.
- Youth Engineering Fair, volunteer worker, Chinese Institute of Engineers, DFW Chapter, May 21, 2010.
- BEST National Championship, volunteer notebook and CAD drawings judging, Apr 23-24, 2010.
- Dallas BEST (Boosting Engineering Science & Technology), volunteer mentor for Parish Episcopal School, September – October 2009. [URL: <http://www.dallas-best.org>]. The team ranked 10th out of 26 teams, one of the best achievement for a first-year participating team.
- Co-supervised Mr. Alex Kollaja and Mr. Stuart Yun (with Prof. M. Goeckner), “Construction of Mobile Robotic Delivery Cart,” University of Texas at Dallas, 2009 Clark Summer Scholar Program, Summer 2009.
- Fisher-Price Cyber Engineering High School Workshop, Robotics Session, for NYSCEDII, University at Buffalo, Summer 2006, 2007
- NYSCEDII Summer Workshop in Scientific Visualization and Robotics, University at Buffalo, Summer 2005
- Co-supervised Ms. Philana Owusu, “Virtual Prototyping of a Mobile Robot”, University at Buffalo, SUNY Louis Stokes Alliance for Minority Participation (SUNY LSAMP), Summer 2003
- “Taking Virtual Prototyping to High Schools”, University at Buffalo, Oct 26 & Nov 2, 2002
- Volunteer Peer Tutor for Tau Beta Pi Engineering Honor Society, Spring, Fall 2001
- Peer Tutor for Counseling Center in Inti College Malaysia, 1999

Symposium/Workshop Organizer:

- CIE/Collin College Spring Technical Symposium, Collin College Preston Ridge Campus, Mar 26, 2011
- Fisher-Price 2-Day Robotics Workshop, Industrial Workshop, University at Buffalo, Oct 11 & 13, 2005

Professional Development Activity Participant:

- Certification of Graduation, DFW AACC Leadership Training, 2011.
- Participated in “Cyber-Physical System Summer School”, organized by Magnus Egerstedt and Wayne Wolf, Georgia Institute of Technology, Jun 22 – 26, 2009.
- Participated in multiple workshops from Office of Education Enhancement, University of Texas at Dallas, including: “Group Activities”, “Teaching Well with Technology”, “Active Lecturing”, “Finding Research Grants, Working with Human Subjects”, “Academic Networking”, “Writing Your Teaching Philosophy and Academic Cover Letters”, and “Teaching and Your Job Search”, 2008 – 2009.
- Participated in Genteels’ Excellence in Teaching Series, “Using groups and academic games for learning and assessment”, by Barbara J. Millis, UB Center for Tomorrow, Mar 31, 2008

PERSONAL

- U.S. Permanent Resident, Fluent in Chinese Mandarin, Cantonese and Malay.