

KEN-YU LIN 林耕宇

Associate Professor

P.D. Koon Endowed Professorship in Construction Management

CMOSH Program Director, Northwest Center for Occupational Health and Safety

Department of Construction Management

College of Built Environments

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SHARE lab: <http://cm.be.washington.edu/Research/SHARE/>

CMOSH Program: <http://cm.be.washington.edu/CMOSH/>

RESEARCH INTEREST

Technology Supported Construction Safety and Health, Innovative Construction Education and Training, Construction Knowledge Management, Construction Information Systems and Management, and Project Sustainability. The types of research projects I would be interested in include:

- Proactive Construction Safety and Health
 - o Improve the current occupational safety and health management and practices through human-centered information communication and sensing technologies.
 - o Building information modeling (BIM) for construction safety and health.
 - o Context-aware visualization for construction hazard recognition and control.
 - o Total Worker Health (TWH) for construction taskforce.
- Innovative Construction Education and Training
 - o Explore opportunities for pedagogical improvement through user-centered learning technologies that lead to lasting changes for construction engineering and management curriculums.
 - o Leverage serious gaming for engaging construction education and training.
- Construction Data, Information and Knowledge Management (KM)
 - o Explore potential KM opportunities facilitated by domain ontologies.
 - o Support ways to capture, package, share, aggregate, and reuse construction engineering and management knowledge across organizational, professional, geographical, and temporal boundaries.
 - o Manage and integrate heterogeneous construction data to facilitate knowledge discovery and distribution for project learning.

- Support the retrieval of essential information for the various topics related to construction engineering and management through domain knowledge, user-oriented facilitation, visualization and language resources (for cross-language applications).
- Sustainable Practices and Education
 - Promote areas in which construction and facility management industries can impact project sustainability and contribute to the making of a sustainable built environment.
 - Understand how different policies and rules shape industry motivation and incentives for sustainable practices.
- Construction Practices
 - Conduct case studies to capture design and construction best practices for potential stakeholders including policy makers, project owners, general contractors, specialty contractors, designers/engineers, and student learners.

EDUCATION

- 2000.09- Ph.D., Civil and Environmental Engineering, Univ. of Illinois at Urbana-Champaign, USA
 2005.05 Specialty: Construction Engineering and Management
 Advisor: Dr. Lucio Soibelman
- 1997.09- Master of Science, Civil Engineering, National Taiwan University, Taiwan
 1999.06 Specialty: Construction Engineering and Management
 Advisor: Dr. Ming-Teh Wang (王明德博士)
- 1993.09- Bachelor of Science, Civil Engineering, National Taiwan University, Taiwan
 1997.06

ACADEMIC APPOINTMENT

- 2015.09 - Associate Professor
 CMOSH Program Director, Northwest Center for Occupational Health & Safety
 University of Washington
- 2008.08 – 2015.08 Assistant Professor
 University of Washington
- 2006.09 –2007.08 Post-doctoral Researcher
 National Taiwan University
- 2001.01 –2004.05 Graduate Student Teaching and Research Assistant
 University of Illinois at Urbana-Champaign, USA
- 1999.09 – 2000.08 Professional Teaching Assistant
 National Taiwan University, Taiwan
- 1999.02 – 1999.06 Graduate Student Teaching Assistant
 National Taiwan University, Taiwan

INDUSTRY APPOINTMENT

2009.07 - 2009.08	Faculty Intern Howard S. Wright Constructor, Seattle, WA, USA
2005.09 – 2006.08	Consultant Ming-Jian Power Co., Taipei City, Taiwan
1998.11 –1999.06	Arbitration Representative Tung-Yi Construction Eng. Ltd. Co., Taipei City, Taiwan
1998.10 – 1999.01	Product Engineer Amko Ltd. Co., Taipei City, Taiwan
1997.08 –1997.10	Assistant Engineer (Internship) Dai-Sin Engineering Ltd, Co., Taipei City, Taiwan
1996.08 –1996.09	Assistant Engineer (Internship) Life Science Building, National Taiwan University, Taipei City, Taiwan

UNIVERSITY SERVICE AT UW

Faculty Senator	<ul style="list-style-type: none">Member of the Faculty Senate, 2010.09 to 2012.06
College PhD Application Reviewer	<ul style="list-style-type: none">Reviewer of CBE PhD applications, 2009 to present
College Representative	<ul style="list-style-type: none">Ad-hoc Sustainable Cities Working Committee, 2009 Winter/Spring Quarters
College Committee Member	<ul style="list-style-type: none">Ad-hoc Graphic Identity Committee, College of Architecture and Urban Planning, 2008 Autumn QuarterPhD Steering Committee, College of Built Environments, 2016.09 to date
Department Track Coordinator	<ul style="list-style-type: none">Coordinator, Construction Management Occupational Safety and Health track, Master of Science degree program (Summer 2015 to present)
Department Committee Member	<ul style="list-style-type: none">Curriculum committee, 2010, 2013, 2014, 2015CIAC sustainability curriculum subcommittee (lead), 2012 - 2013Undergraduate admission committee, 2010 to 2013, 2015Graduate admission committee, 2013 to present
Center for Education and Research in Construction	<ul style="list-style-type: none">Steering committee, 2015/ 2016 – 2018/2019
Department Student Advisor	<ul style="list-style-type: none">For both undergraduate and graduate students, 2009.7 to present
Miscellaneous	<ul style="list-style-type: none">Developer and analyst for the annual student exit survey, 2010 - 2014

SERVICE TO THE PROFESSION

Leadership	<ul style="list-style-type: none"> ▪ Vice-Chair, ASCE Computing Division, Oct. 2016 – to date ▪ Secretary, ASCE TCCIT Executive Committee, Oct. 2015 to Sep. 2016. ▪ Member at large, ASCE TCCIT Executive Committee, Oct. 2014 to Sep. 2015. ▪ Secretary, ASCE TCCIT Global Center for Excellence in Computing Committee, 2014 to 2015. ▪ U.S. Member at large, ASCE TCCIT Global Center for Excellence in Computing Committee, 2012 - 2014. ▪ Past Chair, ASCE TCCIT Education Committee, 2012 - 2014. ▪ Chair, ASCE TCCIT Education Committee, 2009 to 2012. ▪ Secretary, PM Domain, International Alliance of Interoperability – North America (IAI-NA), 2002. ▪ Secretary, ISARC 2000 international conference in construction robotics and automation. ▪ President of Graduate Student Association at the Dept. of Civil Engineering, National Taiwan University, 1998 to 1999.
Advisory Committee and Panel for the Industry	<ul style="list-style-type: none"> ▪ Judge, AGC Build WA Safety Awards, 2014, 2015, 2016 ▪ Pacific Northwest OSHA Education Center Advisory Committee, 2012 -2013. ▪ Coordinating Committee, For the Ming-Jian Hydraulic Power Plant construction project, Center Region Water Resource Office, Water Resources Agency, Ministry of Economic Affairs, Taiwan, 2007
Organizing Committee	<ul style="list-style-type: none"> ▪ Chair, International Workshop for Computing in Civil Engineering, 2017 ▪ Committee Member, CERC Conference – New Frontiers, 2015, 2016, 2017 ▪ Committee Member, the 2nd Construction Industry Research Conference (2013) ▪ Best Paper Award Coordinator, Construction Research Congress 2009
Scientific/Technical Committee	<ul style="list-style-type: none"> ▪ The International Conference on Computing in Civil and Building Engineering 2016 (ICCCBE 2016) ▪ The International Conference on Computing in Civil and Building Engineering 2014 (ICCCBE 2014) ▪ The 12th International Conference on Construction Applications of Virtual Reality (ConVR 2012) ▪ Construction Research Congress 2012 ▪ The 2012 International Conference on Computing in Civil Engineering ▪ The International Conference on Computing in Civil and Building Engineering 2010 (ICCCBE 2010) ▪ The 2005 International Conference on Computing in Civil Engineering

Session Chair	<ul style="list-style-type: none"> ▪ 53th Annual ASC International Conference. ▪ The 16th International Conference on Construction Applications of Virtual Reality (ConVR 2016) ▪ 2nd International Conference on Civil and Building Engineering Informatics (ICCBEI 2015) ▪ The International Conference on Computing in Civil and Building Engineering 2014 (ICCCBE 2014) ▪ The 12th International Conference on Construction Applications of Virtual Reality (ConVR 2012) ▪ Construction Research Congress 2012 (CRC 2012) ▪ The 2012 International Conference on Computing in Civil Engineering ▪ The 2011 International Conference on Computing in Civil Engineering ▪ The International Conference on Computing in Civil and Building Engineering 2010 ▪ Construction Research Congress 2010 (CRC 2010) ▪ Construction Research Congress 2009 (CRC 2009) ▪ The ASCE Workshop of Computing in Civil Engineering 2009
Reviewer	<p>For grant reviews</p> <ul style="list-style-type: none"> ▪ New University Researchers Start-up Program, Fonds de recherche du Québec ▪ Mitacs Accelerate funding program <p>For referred journal publications, 2008 to present (alphabetically listed).</p> <ul style="list-style-type: none"> ▪ Advanced Engineering Informatics, by Elsevier ▪ Automation in Construction, by Elsevier ▪ Canadian Journal of Civil Engineering ▪ Construction Management and Economics, by Taylor and Francis ▪ International J. of Environmental Research and Public Health ▪ J. of Computing in Civil Engineering, ASCE ▪ J. of Construction Engineering and Management, ASCE ▪ J. of Information Technology in Construction (ITCON) ▪ J. of Professional Issues in Engineering Education and Practice, ASCE ▪ Visualization in Engineering, Springer

SERVICE TO THE COMMUNITY

- Host for Fulbright Home Hospitality Event
 - A part of the Fulbright enrichment seminar in Seattle, 2010.04

- Outreach
 - American Association of University Women (AAUW) Career Day 2015.03

- Lab Host
 - Virtual Construction Lab at Pacific Northwest Center for Construction Research and Education, AGC Construction Career Day, 2009 - 2014
 - Voluntary Learning Lab Host, the UW Gear-Up Summer Institute program, 2009 & 2010

- Student Participation in Community Service
 - Two graduate students who took the independent study with me participated in the community-based research project (i.e. the MIT Trash Track Project) as the lead volunteers. 2009.10

TEACHING EXPERIENCE

Instructor, 100% appointment *University of Washington, USA*

- CM333 Construction Safety (8 quarters) Autumn, 2008 – 2014, 2016
(3 credit hours per week, average class size = 53)
- CM331 Construction Estimating (I) (3 quarters) Spring, 2009,2010, 2013
(4 credit hours per week, average class size = 25)
- CM412 Construction Practice (2 quarter) Spring, 2016-2017
(3 credit hours per week, average class size = 50)
- CM421 Project Management (I) (1 quarter) Winter, 2010
(3 credit hours per week, average class size = 47)
- CM535 Research Methodology (8 quarters) Summer, 2010 – Winter, 2017
(3 credit hours per week, average class size = 21)
- CM565 International Construction (5 quarter) Winter, 2011 – Summer, 2015
(3 credit hours per week, average class size = 13)
- CM598 Data-Driven Safety and Health for Construction (2 quarters) Spring, 2016-2017
(3 credit hours per week, average class size = 13)
- BE550 Colloquium-Practicum (1 quarter, co-teach) Spring, 2012
(1 credit hour per week, average class size = 10)

Graduate Student Teaching Assistant, 25% appointment *University of Illinois at Urbana-Champaign, USA*

2001.01 –2004.05

- Collaborative Design Process (2 semesters)
- Construction Cost Analysis and Estimates (2 semesters)
- Construction Engineering (5 semesters)

Professional Teaching Assistant, 100% appointment

Last updated 05/01/2017

National Taiwan University, Taiwan

1999.09 –2000.08

- Computer Programming (1 semester)
- Transportation Engineering (2 semesters)
- Engineering Graphics (2 semesters)
- Economics (1 semester)

Graduate Student Teaching Assistant, 7.5% appointment

National Taiwan University, Taiwan

1999.02 –1999.06

- Construction Procurement and Management (1 semester)
- Independent Study for Construction Engineering (1 Semester)

GUEST LECTURES, INVITED PRESENTATIONS, AND POSTER PRESENTATIONS

- Teaching on safety session host, “Construction Safety Curriculum at the UW”, 53th Annual ASC International Conference, Seattle, WA. April 5 - 7, 2017.
- Invited presentation, “Construction Management Occupational Safety and Health (CMOSH)”, Construction Advisory Committee meeting, Tukwila, Washington, April 4, 2017.
- Guest lecture, “Safety and Hazards”, BE 220 - Cities, Health, and Well-being, March 2, 2017.
- Guest lecture, “Construction Management as a Major”, GEN 297 Exploring Majors in the Built Environments: Engage/Design/Build, Nov. 17, 2016.
- Podcast interview with “The Heartbeat of Health and Safety” from the Pacific Northwest OSHA Education Center, Oct. 21, 2016.
- Guest lecture, “Construction Safety”, RE 598 Real Estate Project Management, Oct. 13, 2016.
- Invited talk (in Mandarin), “U.S. Occupational Safety and Health System for Construction”, CTCI Corporation, Taipei, Taiwan, July 14, 2016.
- Invited talk (in Mandarin), “The Trend and Challenges of the Field Inspection Automation”, CTCI Corporation, Taipei, Taiwan, July 14, 2016.
- Invited talk (in Mandarin), “Construction Management Occupational Safety and Health”, Institute of Occupational Medicine and Industrial Hygiene, College of Public Health, National Taiwan University, Taipei, Taiwan, July 4, 2016.
- Invited talk, “Field Observation Technology – Can It Entice Behavioral Based Safety?”, 2016 Puget Sound ASSE Professional Development Conference, Ellensburg, Washington, May 13, 2016.
- Invited talk, “Tracking Construction Workers Using Wearable Sensors”, Seminar, Department of Civil Engineering, National Central University, Taoyuan County, Taiwan, Nov. 4, 2015.
- Invited talk, “U.S. Experience on Construction Safety and Health”, Institute of Labor, Occupational Safety and Health, Ministry of Labor, Taiwan, Nov. 5, 2015.
- Invited talk, “Technology Supported Construction Safety and Health”, National Taiwan University, Nov. 2, 2015.
- Invited presentation, “Construction Management Occupational Safety and Health (CMOSH)”, Construction Advisory Committee meeting, Tacoma, Washington, Oct. 6, 2015.
- Invited presentation, “Approach Total Worker Health (TWH) for Construction”, 2016 CERC Conference: New Frontiers, Seattle, Washington, March 4, 2016.

- Invited presentation, Lee, W., **Lin, K.Y.**, Migliaccio, G., and Seto, E., “Looking Beyond the Workplace: Construction Laborer’s Working Life On Duty and Off Duty”, Northwest, Occupational Health Conference, Bremerton, Washington, October 15, 2015.
- Volunteering presentation, “Use of Clickers and Students’ Feedback/Experience”, Faculty Colloquium, College of Built Environments, University of Washington, April 30, 2015.
- Invited presentation, “Safety Technology: LED for Temporary Construction Lighting”, 2015 CERC Conference: New Frontiers, Seattle, Washington, March 6, 2015.
- Guest lecture, “Construction Safety and International Construction”, RE 598 Real Estate Project Management, Feb 5, 2015.
- Panelist, “BE Connected: Networks and Identities Panel”, Symposium on Integration and the Built Environment, Apr. 25, 2014.
- Instructor, “Case Studies and Resources - 3D Site Planning”, Construction Site Logistics Course, Continuing Education Programs, Northwest Center for Occupational Health and Safety, Feb. 6, 2014.
- Invited talk, “Technology Supported Innovation for Construction Safety”, Seminar, Department of Civil Engineering, National Central University, Taoyuan County, Taiwan, Dec. 18, 2013.
- Invited talk, “iSafe An Innovative Field Inspection Tool”, Port of Seattle Monthly Contractor’s Safety Meeting, Seattle, WA, USA, Nov. 11, 2013.
- Keynote speaker, “Mobile Apps for Construction Safety and Applications of Social Media”, Puget Sound Area Safety Summit, Oct. 9, 2013.
- Invited presentation, “iSafe An Innovative Field Inspection Tool”, AGC of WA monthly meeting, Seattle, WA, USA, August 1, 2013.
- poster presentation, “Understanding the Opportunities and Challenges of Technologies Supported Field Safety Inspection”, 2nd Construction Industry Research Conference, Seattle, USA, April. 19, 2013.
- Invited presentation, “Technology Supported Innovation for Construction Safety”, ABC Round Table Meeting, Oct. 3, 2012.
- Invited presentation for the Department of Municipal Affairs delegation, Municipality of Abu Dhabi City, United Arab Emirates, “US Occupational Safety and Health System and Regulations”, City of Seattle, Seattle, WA, Oct. 19, 2012.
- Invited talk, “Technology Supported Innovation for Construction Safety”, ABC Safety Expo, June 27, 2012.
- Online poster, “Learning to Create a Better Built Environment: Video Game as An Innovative Pedagogical Tool for Construction Safety”, , 2nd place for the HP Catalyst People’s Choice Award, April 2012. (<http://catalyst.navigator.nmc.org/gallery/poster.php?nid=14324&vid=25900>)
- Invited talk, “Technology Supported Innovation for Construction Safety”, Seminar, Department of Architecture Engineering, Pennsylvania State University, State College, PA, April 6, 2012.
- Invited talk, “Technology Supported Innovation for Construction Safety”, Seminar, Dept. of Civil Engineering, National Taiwan University, Taipei City, Taiwan, Dec. 20, 2011
- Keynote speaker, “Technology Supported Safety Management: An Innovative Field Inspection iPad System”, 1st Construction Industry Research Conference, Seattle, WA, Nov. 4, 2011.
- Invited talk, “IT Supported Research and Education for Construction Safety”, BE Colloquium, College of Built Environments, University of Washington, Seattle, USA, Jun. 3, 2010.
- Poster presentation, “Assessing Program Learning Outcomes: An Outcome-Oriented Approach”, UW Teaching Academy Annual Symposium, Apr. 2010.

- Invited talk, “Knowledge Management in AEC”, Seminar, Dept. of Civil Engineering, National Taiwan University, Taipei City, Taiwan, Dec. 22, 2009.
- Invited talk, “Knowledge Management and Its Research Implications in Construction Management and Education”, Dept. of Urban Planning, National Cheng Kung University, Tainan, Taiwan, Dec. 18, 2009.
- Research interest presentation, for CM598: Special Topics - Research Methods, graduate course, Dept. of Construction Management, University of Washington, Seattle, USA, Jul. 16, 2009.
- Invited talk, “Data, Information, and Knowledge – Research Implications for Construction Management and Education”, BE Colloquium, College of Built Environments, University of Washington, Seattle, USA, Feb. 4, 2009.
- Invited talk, “An overview of the Construction Management Graduate Program at the University of Washington”, Special Seminar, Dept. of Civil Engineering, National Taiwan University, Taipei City, Taiwan, Dec. 26, 2008.
- Invited presentation, “Web Searching”, Fundamental Concepts of Computing in Civil Engineering, graduate class, Dept. of Civil and Environmental Engineering, Carnegie Mellon University, Pittsburgh, USA, Oct. 9, 2008.
- Research interest presentation, for CM598: Special Topics - Research Methods, graduate course, Dept. of Construction Management, University of Washington, Seattle, USA, Jul. 17, 2008
- Interview teaching presentation, “The ART of Decision Making”, for CM412: Construction Practice, undergraduate course for senior students, Dept. of Construction Management, University of Washington, Seattle, USA, May 12, 2008.
- Invited talk, “Data Mining – Introduction and Examples”, Fundamentals of Computer-Aided Engineering, course for senior and graduate students at the Dept. of Civil Engineering, National Taiwan University, Taipei City, Taiwan, Nov. 08, 2006.
- Invited presentation, “Capturing Project Knowledge behind Construction Design Changes for Risk Management - Using Ming-Jian Power Plant Project as an Example”, Seminar, Dept. of Construction Management, Tsinghua University, Beijing, China, Apr. 28, 2006.
- Invited presentation, “Capturing Project Knowledge behind Construction Design Changes - Using Ming-Jian Hydro Power Plant as an Example”, Kansai Electric Power Co. Inc., Kansai, Japan, Feb. 3, 2006.
- Invited talk, “Knowledge-Assisted Retrieval of Online Product Information in A/E/C (Architectural/Engineering/Construction)”, graduate student seminar, Tam-Kang University, Taipei County, Taiwan, Sep. 30, 2005.

PROPOSAL SUBMITTALS

Proposals submitted as Principal Investigator

- Royal Research Fund, University of Washington, “If You Don't Measure It, You Can't Manage It - Enabling Field Assessment for Construction Ergonomics (eFACE)”, \$39,911, submitted in Mar. 2017, pending.
- UW Planning & Management Student Internship Funding Request, “LED temporary lighting deployment assistant”, \$3,386, submitted in April 2016, funded.
- UW Planning & Management Student Internship Funding Request, “Observation-based Safety Program Assistant”, \$4,157, submitted in April 2016, not funded.
- CDC- NIOSH R01, “Sensor and Wellness Driven Workforce Development for the Construction Industry”, \$2,065,787, submitted in June 2015, not funded.

- BE Lab, University of Washington, “Analytical Studies of the Built Environments”, \$28,173, submitted in Apr. 2014, not funded.
- Gifts and Transfer-Supported Grants, University of Washington, “Planning for Low Voltage LED Construction Temporary Lighting Using Building Information Modeling”, \$19,000, submitted in Apr. 2014, accepted.
- F2 Internship Fund, University of Washington, “Construction Innovation Analyst”, \$10,658, submitted in Dec. 2013, accepted.
- Electri International 2013 Request for Preliminary Proposal, “Low Voltage LED Lighting Technology for Conventional Temporary Construction Job-site Lighting - A Best Practices Case Study”, \$38,000, submitted in Nov. 2013, not funded.
- Susan Harwood Targeted Topic Training and Education Materials Development Grant, “Developing Visualized and Mobile Device Supported Fall Protection Training Suite for Non-English Speaking and Illiterate Construction Workers”, \$50,000, submitted in June 2013, not funded.
- The AGC Education and Research Foundation, Cost estimating related case study development for ethics education, \$12,000, submitted in June 2012, recommended for funding in the 2013 funding cycle.
- Susan Harwood Training and Education Materials Development Grant, “Developing Visualized and Mobile Device Supported Fall Protection Training Suite for Non-English Speaking and Illiterate Construction Workers”, \$50,000, submitted in May 2012, not funded.
- Electri International Early Career Award (EIECA), “Communication Strategies for Client Education in the Photovoltaic Market”, \$7,000, submitted in April 2012, not funded.
- Susan Harwood Training and Education Materials Development Grant, “Developing Fall Protection Training Materials for Non-English Speaking and Illiterate Construction Workers”, \$43,000, submitted in August 2011, accepted.
- Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES), National Science Foundation, “Learning through Guided Research – Creating Materials and Methods Curriculum with Life-Cycle Analysis and Information Literacy”, \$199,897, submitted in May 2011, not funded.
- CDC- NIOSH, Small Research Grant, “Improving Surveillance with Construction Site Safety Audits – A Feasibility Study on Data Collection and Sharing”, \$142,586, submitted in Feb. 2011, not funded.
- Electri International 2011 Request for Preliminary Proposal, “Generating green power with Photovoltaic technologies on condominiums properties in King County, Washington – A feasibility case study”, \$37,000, submitted in Nov. 2010, not funded.
- Royal Research Fund, University of Washington, “Facilitating Project Learning from Construction Safety Violations – Practices, Technologies, and Opportunities”, \$39,403, submitted in Sep. 2010, accepted.
- Susan Harwood Training Grant, “Creating a Company Safety and Health Management System (CSMS) for Small Construction Companies”, \$248,173, submitted in August 2010, not funded.
- Electri International Early Career Award (EIECA), “Learning from Electrical Construction Changes: Opportunities for Success”, \$7,000, submitted in May 2010, not funded.
- Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (TUES), National Science Foundation, “Learning through Guided Research – Creating Materials and Methods Curriculum with Life-Cycle Analysis and Information Literacy”, \$196,302, submitted in May 2010, not funded.

- Royal Research Fund, University of Washington, “Facilitating Project Learning from Construction Safety Violations – Practices, Technologies, and Opportunities”, \$39,346, submitted in Feb. 2010, not funded.
- Civil Infrastructure System (CIS), National Science Foundation, “Supporting the AEC Sector in Making Green Purchasing Decisions - Through Improved Acquisition of Green Product and Supplier Information”, \$187,636, submitted in Sep. 2009, not funded.
- Royal Research Fund, University of Washington, “An Operational Model for Capturing and Sharing Useful Online Resources to Support Students in Learning and Researching - Using Construction Safety and Health as a Case Study”, \$36,949, re-submitted in Sep. 2009, not funded.
- Royal Research Fund, University of Washington, “Feasibility Study of a Sustainable Model for Capturing and Sharing Useful Online Resources to Support Students in Learning and Researching - Using Construction Safety and Health as A Case Study”, \$39,980, re-submitted in Mar. 2009, not funded.
- Royal Research Fund, University of Washington, “From Social networking to e-Learning Environments: how do we capture and share the learning process knowledge”, \$39,969, submitted in Sep. 2008, not funded.

Proposals submitted as Co-Proponent or Subcontractor

- CDC - NIOSH, “Characterization of Risk Factors and Evaluation of Mechanisms for Heat-Related Traumatic Injuries in Construction Trades”, \$273,054, submitted in February 2017, pending.
- Request for Qualification, Construction Research Institute: RTS #9: Wearable Worker-Monitoring, submitted in March 2016, not selected.
- University of Washington, Department of Environmental and Occupational Health Sciences MA/AF Initiative Project Funding Opportunity, “Characterization of potential heat-related illness risk factors and heat-associated injury risk in construction workers”, \$53,000, submitted in September 2015, funded (October 2015 – September 2017).
- University of Washington, Office of Sponsor Program Bridge Fund, “A Modeling Framework Explaining the Role of Worker’s Physiological Status and Jobsite Environment Factors on Worker Behavior and Performance”, \$30,666, submitted in May 2015, not funded.
- PacTrans Region 10 University Transportation Center, “Understanding the Relationship Among Various Agency’s Resources and How It Affects an Agency’s Ability to Fulfill Its Mission”, \$48,515, submitted in April 2015, not funded.
- University of Washington, Royal Research Fund, “Establishing a Relationship between Physical Strain and Construction Worker’s Performance”, \$29,811, submitted in March 2015, not funded.
- CDC - NIOSH, “Northwest Center for Occupational Health and Safety”, submitted in August 2014, \$9,000,000, accepted (July 2015 – June 2020).
- WSDOT, “WSDOT Building Asset Management: An Impact Assessment Case Study”, submitted in April 2014, \$41,670, not funded, negotiation delayed to 2015.
- WSDOT, “WSDOT Building Asset Management: An Exploratory Case Study”, submitted in October 2012, \$15,000, accepted.
- College of Built Environment, University of Washington, “Trans-disciplinary UW CBE Laboratory on Asian Urbanism”, letter of intent submitted in October 2012, \$68,500, funded.
- PacTrans Region 10 University Transportation Center, New Research Project Proposal, “Enabling a Sustainable Approach to Building Asset Management in WSDOT”, submitted in April 2012 with the Washington State Department of Transportation, \$59,999, not funded.

- HP Leadership Fund, “ECL+VI Construction Catalyst – Merging UW Experiential and Contextual Learning (ECL) Model with MMUST Vertical Integration Model”, submitted in March 2012 with Masinde Muliro University of Science and Technology, Kakamega, Kenya, \$96,000 (University of Washington’s share is \$69,500), accepted.
- TUES Type 2, National Science Foundation, “Virtual Construction Simulator: Developing An Experiential Learning Simulation Game For Improved Learning of Construction Engineering and Management Concepts”, \$600,000, submitted in Jan 2012 with the University of Pennsylvania being the lead organization, accepted by NSF, subcontract signed in Sep. 2012, \$36,260.
- Subcontract award from the University of Nebraska Lincoln for the NSF CI-Team Implementation project, “Educating a Competitive, Cyberinfrastructure Savvy Engineering and Construction Taskforce”, subcontract signed in Jan. 2012, \$40,640.
- Sustainable Energy Pathways, National Science Foundation “Emergent Dynamics of Distributed Energy Resources”, submitted in Jan. 2012 with the University of New Mexico being the lead organization, \$477,015, not funded.
- HP Catalyst Initiative Global Collaboratory Consortium, “Learning to Create Sustainable Built Environments: Experiential and Contextual Learning (ECL) with Information and Communication Technology for a 21st Century Collaborative Global Education”, submitted in May 2011, equipment grant worth of \$130,000, awarded.
- CI-Team Demonstration, National Science Foundation, “Cyber-enabled Human Networks for Experimentation and Learning in a Reality-Virtuality-Mediality Environment”, \$249,994, submitted in March 2011 with the University of New Mexico being the lead organization, not funded.
- CI-Team Demonstration, National Science Foundation, “Integration of Physiological Status Monitors and Wearable Sensors to Create a Network of Individuals”, \$141,625, submitted in Jan. 2011, not selected in the UW internal competition.
- HP Catalyst Initiative Global Collaboratory Consortium, “Learning to Create a Better Built Environment: Activity Led Learning with Information and Communication Technology for a 21st Century Collaborative Global Education”, \$129,374, submitted in Aug. 2010, not funded.
- International Planning and Workshops, National Science Foundation, “Partnership for Civil Infrastructure”, \$19,999, submitted in Feb. and resubmitted in Oct. 2010, not funded.
- EFRI-SEED Preliminary Proposal, National Science Foundation, “Communicating Carbon: Using LCA to Re-engineer Sustainable Building Practices”, \$1,574,085, submitted in Nov. 2009, not funded.
- Course, Curriculum, and Laboratory Improvement (CCLI), National Science Foundation, “Learning through Guided Research - Creating Materials and Methods Curriculum with Life-Cycle Analysis”, \$195,227, submitted in May 2009, not funded.
- BE Lab, University of Washington, “Resilience in the Built Environment – An Interdisciplinary Field Studio for Earthquake Recovery in Sichuan, China”, \$35,750, submitted in autumn 2008, accepted.

PROFESSIONAL AFFILIATION

American Society of Civil Engineers, ASCE, USA

- Construction Research Congress (CRC)
- Computing Division
 - Executive Committee (ExCom)
 - Education Subcommittee

- Data Sensing and Analysis (DSA) Subcommittee
- Visualization, Information Modeling, and Simulation (VIMS) Subcommittee
- Global Center for Excellence in Computing

Associated School of Construction, ASC, USA

Center for Asian Urbanism, University of Washington, Seattle, USA

Northwest Center for Occupational Health and Safety, University of Washington, Seattle, USA

PUBLICATIONS

Registered Innovation

1. **Lin, K.Y.**, Tsai, M.H., Lee, J., Lin, J., and Kang, S.C., (July 21, 2013) "iSafe - An Innovative Safety Inspection Tool for the Construction Industry", Record of Innovation #46592, Center for Commercialization, University of Washington.

Published/Accepted Journal Paper

1. Chi, N.W., **Lin, K.Y.**, El-Gohary, N., and Hsieh, S.H. (first published online on Jan. 28, 2016) "Evaluating the Strength of Text Classification Categories on Supporting Construction Field Inspections", *Automation in Construction*, Vol. 64, 2016, pp. 78 – 88.
2. Dzung, R.J., **Lin, K.Y.**, and Wang P.R. (first published online on Oct. 20, 2014) "Building A Construction Procurement Negotiation Training Game Model: Learning Experiences and Outcomes", *British Journal of Educational Technology*, Vol. 45(6), pp. 1115 - 1135.
3. **Lin, K.Y.**, Tsai, M.H., Gatti, U., Lin, J., Lee, C.H., and Kang, S.C., (first published online on Sep.16, 2014) "A User-centered Information and Communication Technology (ICT) Tool to Improve Safety Inspections", *Automation in Construction*, Vol. 48, 2014, pp. 53 - 63.
4. Chi, N.W., **Lin, K.Y.**, Hsieh, S.H. (article in press, first published online on June 18, 2014) "Using Ontology-Based Text Classification to Assist Job Hazard Analysis", *Advanced Engineering Informatics*, Elsevier.
5. Gatti, U., El-Anwar, O., Migliaccio, G., **Lin, K.Y.**, and Medina, Y., (accepted for publication in March 2014) "Quantifying the Impacts of Failures of Departments of Transportation's Building Systems on Transportation System Users", *Transportation Research Record*, Transportation Research Board.
6. **Lin, K.Y.**, Levan, A., and Dossick, C., (July 2012) "Teaching Life-Cycle Thinking in Construction Materials and Methods: Evaluation of and Deployment Strategies for Life-Cycle Assessment in Construction Engineering and Management Education", ASCE, *Journal of Professional Issues in Engineering Education and Practice*, Vol. 138(3), 2012, pp. 163- 170.
7. **Lin, K.Y.**, Son, J.W., and Rojas, E., (2011) "A Pilot Study of A 3D Game Environment for Construction Safety Education", *Journal of Information Technology in Construction (ITCON)*, Vol. 16, Special issue "Use of Gaming and Virtual World technology in Architecture, Engineering and Construction", Vol. 16, 2011, pp. 69-84 (also available online <http://www.itcon.org/2011/5>).
8. Hsieh, S.H., Lin, H.T., Chi, N.W., Chou, K.W. and **Lin, K.Y.**, (2011) "Enabling the Development of Base Domain Ontology Through Extraction of Knowledge from Engineering Domain Handbooks", *Advanced Engineering Informatics*, Vol. 25(2), April 2011, pp. 288-296.

9. **Lin, K.Y.** and Soibelman, L., (2009) "Incorporating Domain Knowledge and Information Retrieval Techniques to Develop an Architectural/Engineering/Construction Online Product Search Engine", *ASCE, Journal of Computing in Civil Engineering*, 23(4), 2009, pp. 201 – 210.
10. **Lin, K.Y.**, Chou, K. W., Lin, H.T., Hsieh, S.H., and Tserng, H.P., (2009) "Exploring the Effectiveness of Chinese-to-English Machine Translation for CLIR Applications in Earthquake Engineering", *ASCE, Journal of Computing in Civil Engineering*, Vol. 23 (3), 2009, pp. 140 – 147.
11. **Lin, K.Y.**, Hsieh, S.H., Tserng, H.P., Chou, K. W., Lin, H.T., Huang, C. P., and Tzeng, K. F., (2008) "Enabling the Creation of Domain-Specific Reference Collections to Support Text-Based Information Retrieval Experiments in the Architecture, Engineering and Construction Industries", *Advanced Engineering Informatics*, Vol. 22 (3), July 2008, pp. 350 – 361.
12. Soibelman, L., Wu, J.F., Caldas, C., Brilakis, I., **Lin, K.Y.**, (2008) "Management and Analysis of Unstructured Construction Data Types", *Advanced Engineering Informatics*, Vol. 22(1), 2008, pp. 15 – 27.
13. **Lin, K. Y.** and Soibelman, L., (2007) "Knowledge Assisted Retrieval of Online Product Information in Architectural/Engineering/Construction", *ASCE, Journal of Construction Engineering and Management*, Vol. 133(11), 2007, pp. 871 – 879.
14. Tsai, S.L. and **Lin, K. Y.**, (2006) "Exploring Knowledge Management for Project Management from the Implementation of a BOT Hydropower Plant", *Special Edition of Construction Economy (Chinese Journal)*, 2006, pp. 83 - 85.
15. **Lin, K. Y.** and Soibelman, L., (2006) "Promoting Transactions for A/E/C Product Information", *Automation in Construction*, Vol. 15(6), 2006, pp. 746-757.
16. Soibelman, L., Liu, L. Y., Kirby, J. G., East, W. E., Caldas, C.H., and **Lin, K.Y.**, (2003) "Design Review Checking System with Corporate Lessons Learned", *ASCE, Journal of Construction Engineering and Management*, Vol. 129 (5), 2003, pp.475-484.

Journal Paper under Review or in Preparation

1. Lee, W., Seto, E., **Lin, K.Y.**, Migliaccio, G., "An Evaluation of Wearable Sensors and Their Placements for Analyzing Construction Worker's Trunk Posture in Laboratory Conditions", submitted to *Applied Ergonomics*.
2. **Lin, K.Y.**, Lee, W., Azari, R., Migliaccio, G., "Training of Low Literacy and Low English Proficiency Workers on Construction Fall Fatality", submitted to *Journal of Management in Engineering*.
3. Lee, W., **Lin, K.Y.**, Seto, E., and Migliaccio, G., "Wearable Sensors for Monitoring On-Duty and Off-Duty Worker Physiological Status and Activities in Construction", submitted to *Automation in Construction*.

Peer-reviewed Conference Papers

1. Lee, W. and **Lin, K.Y.**, "Spatial Interpolation of Weather Data for Occupational Health and Safety Research in Construction", *Proceedings of the 6th CSCE/CRC International Construction Specialty Conference*, May 31 – June 3, 2017, Vancouver, Canada.
2. Chi, N.W., **Lin, K.Y.**, El-Gohary, N., and Hsieh, S.H., "Gazetteers for Information Extraction Applications in Construction Safety Management", *Proceedings of the International Workshop on Computing in Civil Engineering (IWCCCE) 2017*, June 25 - 27, 2017, Seattle.

3. Lee, W., **Lin, K.Y.**, Migliaccio, M., and Seto, E., (2016) "Comparison of Alternative Wearable Accelerometers to Analyze Construction Workers' Ergonomic Posture in Laboratory Conditions", Proceedings of the *International Conference on Computing in Civil and Building Engineering (ICCCBE) 2016*, July 6 - 8, 2016, Osaka, Japan.
4. Chiang, C.T., **Lin, K.Y.**, Chou, C.C. (2015), "Real-Time Replay System: Fusion of Virtual Reality and Sensor Database for Infrastructure Safety Management", Proceedings of the 2nd International Conference on Civil and Building Engineering Informatics, April 22 – 24, 2015, Tokyo, Japan.
5. Huang, Y.J., **Lin, K.Y.**, and Angeley, J. (2015), "A Case Study on the Use of LED Temporary Construction Lighting System", Proceedings of the 2015 International Construction Specialty Conference, June 7 – 10, 2015, Vancouver, BC, Canada.
6. Lee, W., Migliaccio, M., and **Lin, K.Y.** (2015), "Lessons Learned From Using Bio- And Environmental Sensing In Construction: A Field Implementation", Proceedings of the 2015 International Construction Specialty Conference, June 7 – 10, 2015, Vancouver, BC, Canada.
7. Abdirad, H. and **Lin, K.Y.** (2015), "Advancing In Object-based Landscape Information Modeling: Challenges And Future Needs", Proceedings of the 2015 ASCE International Workshop on Computing in Civil Engineering, June 21 – 23, 2015, Austin, TX.
8. Lee, W., Lin, T.H., Fadi, C., and **Lin, K.Y.** (2014), "Serious Games for the Learning and Practices of Hazard Recognition: Understanding the Design Complexity for 3D Construction Site Modeling", in the Proceedings of the *International Conference on Computing in Civil and Building Engineering (ICCCBE) 2014*, June 23 - 25, 2014, Orlando, FL.
9. Caldera, D., **Lin, K.Y.**, Gatti, U., Chiang, R.L. (2014), "Exploring the Relationship between Chronic Sleep Deprivation and Safety on Construction Sites", in the Proceedings of *Construction Research Congress 2014*, May 19 - 21, Atlanta, Georgia.
10. Gatti, U., El-Anwar, O., Migliaccio, G. and **Lin, K.Y.** (2014), "Using Discrete-Event Simulation to Support Building Asset Management: An Exploratory Case Study", in the Proceedings of *Construction Research Congress 2014*, May 19 - 21, Atlanta, Georgia.
11. El-Anwar, O., Giovanni, M., Gatti, U., **Lin, K.Y.**, Yvonne, M., "Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users", in the Proceedings of the *93rd Annual TRB Conference*, Washington DC, Jan. 12 - 16, 2014.
12. Chi, N.W., **Lin, K.Y.**, Hsieh, S.H. (2013) "On Effective Text Classification for Supporting Job Hazard Analysis", *ASCE International Workshop on Computing in Civil Engineering 2013 (IWCCCE 2013)*, June 23 - 25, 2013, Los Angeles, California.
13. Anderson, A., **Lin, K.Y.**, Dossick, C.S. (2012), "BIM Supported Data Visualization Strategies for Facility Management", in the *proceedings of the 12th International Conference on Construction Applications of Virtual Reality (CONVR 2012)*, Nov. 1 - 2, 2012, Taipei, Taiwan.
14. Chi, N.W., **Lin, K.Y.**, Hsieh, S.H. (2012), "Extracting Construction Safety Domain Ontology from Job Hazard Analysis Databases and Construction Safety Standards", in the *proceedings of the International Conference on Computing in Civil and Building Engineering (ICCCBE) 2012*, June 27 – 29, 2012, Moscow, Russia.
15. Lee, C.H., **Lin, K.Y.**, Kang, S.C., (2012), "iSafe: An Innovative iPad System for Construction Site Safety Audits", in the *proceedings of the International Conference on Computing in Civil and Building Engineering (ICCCBE) 2012*, June 27 – 29, 2012, Moscow.

16. Liaw, Y.L., **Lin, K.Y.**, Li, M. and Chi, N.W., (2012), "Learning Assessment Strategies for An Educational Construction Safety Video Game", in the *proceedings of Construction Research Congress 2012*, May 21 – 24, West Lafayette, Indiana.
17. Tan, X., **Lin, K.Y.**, Anumba, C., Tan, H.C., Li, H.M. (2012), "Exploratory Study of Sustainability Knowledge Management in Capital Project Offices", in the *proceedings of Construction Research Congress 2012*, May 21 – 24, West Lafayette, Indiana.
18. **Lin, K.Y.**, Migliaccio, G., Azari, R., Lee, C.H., and Llata, J. (2012), "Developing 3D Safety Training Materials on Fall Related Hazards for Limited English Proficiency (LEP) and Low Literacy (LL) Construction Workers", in the *proceedings of 2012 ASCE International Workshop on Computing in Civil Engineering*, June 18 – 20, 2012, Clearwater, FL.
19. **Lin, K.Y.**, Tsai, M.H., and Kang, S.C., (2011) "The Development of an Innovative Tool Kit to Support Construction Field Inspections", in the *proceedings of CIB W099 Safety and Health for Construction 2011*, August 24 – 26, 2011, Washington DC, USA.
20. Baldwin, B., **Lin, K.Y.**, Migliaccio, G., and Tan, X., (2011) "A Survey for the Current State of Knowledge Management within University Capital Project Offices in the US", in the *proceedings of 3rd International/9th Construction Specialty Conference*, June 14-17, 2011, Ottawa, Ontario, Canada.
21. Son, J.W., **Lin, K.Y.**, and Rojas, E., (2011) "Developing and Testing a 3D Video Game for Construction Safety Education", in the *proceedings of 2011 ASCE International Workshop on Computing in Civil Engineering*, June 19-22, 2011, Miami, Florida, pp. 867-874.
22. **Lin, K.Y.** (2010) "An Operational Model for Locating and Sharing Online Learning Resources - Using Construction Safety As An Example", in the *Proceedings of the International Conference on Computing in Civil and Building Engineering (ICCCBE) 2010*, June 30 – July 2, 2010, Nottingham, UK.
23. **Lin, K.Y.**, Kim, Y.W., and Dossick, C., (2010) "Repositioning the Faculty Internship Experience in Construction Management", in the *proceedings of Construction Research Congress 2010*, May 8 – 11, 2010, Banff, Alberta, Canada.
24. **Lin, K.Y.**, (2009) "The Development of a Sustainable e-Learning Model – Using Construction Safety and Health Education as an Example", in the *Proceedings of 2009 ASCE International Workshop on Computing in Civil Engineering*, June 24-27, 2009, Austin, Texas, USA, pp. 593 – 602.
25. H.T. Lin, S.H. Hsieh, K.W. Chou and **K.Y. Lin**, (2009) "Construction of Engineering Domain Ontology through Extraction of Knowledge from Domain Handbooks", in the *Proceedings of 2009 ASCE International Workshop on Computing in Civil Engineering*, June 24-27, 2009, Austin, Texas, USA, pp. 207 – 216.
26. Lin, H.T., **Lin, K.Y.**, Hsieh, S.H., and Chou, K.W., (2008) "Enabling Effective Machine Translation for AEC-Specific Cross-Language Information Retrieval", in the *Proceedings of 12th International Conference on Computing in Civil and Building Engineering (ICCCBE 2008)*, Oct 16 – 18, 2008, Beijing, Reference No. 373.
27. **Lin, K.Y.**, Hsieh, S.H., Tserng, H.P., Chou, K.W., Lin, H.T., Huang, C.P., and Tzeng, K.F., (2007), "Establishing Domain Testing Resources to Support Advanced Text-based Information Retrieval Applications for Architecture, Engineering, Construction, and Facility Management (AEC/FM)", in the *Proceedings of ASCE Computing in Civil Engineering 2007*, Pittsburgh, PA, USA.
28. Soibelman, L., Wu, J., Caldas, C., Brilakis, I. and **Lin, K.Y.** (2006), "Data Analysis on Complicated Construction Data Sources: Vision, Research, and Recent Developments", keynote article, *13th*

EG-ICE Workshop on Intelligent Computing in Engineering & Architecture, 25-30 June 2006, Monte Verità, Ascona, Switzerland.

29. **Lin, K. Y.** and Soibelman, L. (2005), "Knowledge Assisted Retrieval of Online Product Information in A/E/C (Architectural/Engineering/Construction)", in the *Proceedings of 2005 International Conference of Computing in Civil Engineering*, Cancun, Mexico.
30. Wang, M.T. and **Lin, K. Y.** (1999), "An Economic Analysis of the 'Or Equal' Clause for Substitution Specifications", in the *Proceedings of EASEC-7 International Conference*, Kochi, Japan.
31. Wang, M. T. and **Lin, K. Y.** (1999), "A Study of the Substitution Systems in Public Building Projects", in the *Proceedings for the 3rd Joint Conference of Student Thesis in Construction Engineering and Management*, Tsin-Chu, Taiwan.
32. Wang, M. T. and **Lin, K. Y.** (1998), "An Exploration of the Or Equal Clause for Public Building Projects", in the *Proceedings of the 2nd Architectural Production & Technical Management Conference*, Taipei, Taiwan.

Dissertations

1. "Knowledge Assisted Retrieval of Online Product Information in A/E/C (Architectural/Engineering/Construction)", Dissertation for Ph.D. in the program of Construction Engineering and Management, Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, May 2005.
2. "A Study of the Substitution System in Public Building Projects", Dissertation for M.S. in the program of Construction Management, Civil Engineering, National Taiwan University, June 1999.

Book or Book Chapters

1. Schaufelberger, J. and **Lin, K.Y.** *Construction Project Safety*, John Wiley and Sons, Hoboken, NJ, USA. December 2013.
2. Hsieh, S.H., **Lin, K.Y.**, Chi, N.W., and Lin, H.T., "Chapter 1 - Domain Knowledge Based Information Retrieval for Engineering Technical Documents". *Ontology in the AEC Industry: A Decade of Research and Development in Architecture, Engineering, and Construction*, ASCE, Reston, VA, USA. 2015.
3. Migliaccio, G., **Lin, K.Y.**, Dossick, C., "Chapter 8 – Learning to Create a Better Built Environment", *Online Learning for Stem Subjects: International Examples of Technologies and Pedagogies in Use*, edited by Childs, M. and Soetanto, R., Taylor & Francis Ltd. January 2017.

Reports

1. El-Anwar, O., Migliaccio, G., **Lin, K.Y.**, and Gatti, U., "Impact of Failures at the Corson Avenue TEF Shop on WSDOT Services", final report for the WSDOT Building Asset Management Exploratory Case Study, June 2013.
2. Huang, Y.J., **Lin, K.Y.**, and Angeley, J., "Temporary Construction Lighting Low Voltage LED Lighting System - UW Bothell Phase 3", final report for the F2 Internship Fund case study, June 2014.

HONOR AND AWARDS

2012.04

HP Catalyst People's Choice Award, 2nd Place

Last updated 05/01/2017

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2010 Autumn	CM Endowment Fund for Research, Univ. of Washington, USA
2009.11	CBE Travel Fund, Univ. of Washington, USA
2009.06	The Dean's Faculty Development Award, Univ. of Washington, USA
2008.12	CAUP Travel Fund, Univ. of Washington, USA
2004 – 2005	The Chancellor's List®, USA
2003 Fall	Incomplete List of Teachers Ranked as Excellent, Univ. of Illinois, USA
2000.09 – 2002.08	Fulbright Scholarship, USA
1999.02 – 1999.06	Phi-Tao-Phi Scholastic Honor Society Scholarship of the R. O. C., Taiwan
1998.10 – 1999.01	Taipei Long-Shang Temple Scholarship, Taiwan
1997.08 – 1999.07	Educational Ministry Fellowship for Graduate Student, Taiwan

TRAINING AND PROFESSIONAL DEVELOPMENT

2017.04-05	Procore – University implementation training
2014.10	OSHA 502, "Update for Construction Outreach Trainers" (OSHA Authorized Construction Trainer for OSHA 10 and 30, <i>Trainer number #121631, expire on Oct. 29, 2018</i>)
2013.01	OnScreen Takeoff Training with OnCenter Software
2012.06	UW "Financial Conflict of Interest" Training
2012.02	Pacific Northwest OSHA Education Center "Tools and Techniques to Improve Your Safety Training Program"
2012.02	UW OSP "Post Award Financial: Processes, Offices and Best Practices"
2010.08	OSHA 500, "Trainer Course in Standards for Construction" (OSHA Authorized Construction Trainer for OSHA 10 and 30, <i>Trainer number #121631, expire on Aug. 5, 2014</i>)
2010.01	OSHA 510, "Standards for the Construction Industry"
2009.10	Human Research Curriculum, Basic – Social and Behavioral (<i>Certification Reference Number #3032678</i>)
2009.07 – 2009.08	Faculty Internship with Howard S. Wright Constructor
2009.03	NSF 2009 CAREER Proposal Writing Workshop
2009.02	UW Teaching Academy Workshop "Teaching as Scholarly Work: Conducting and Presenting Research on Your Pedagogy"

ADVISORY

ERC CMOSH trainee advisor

1. Christopher Mak, master student in Construction Management (in progress)
2. Elena DeLisio, master student in Construction Management (in progress)
3. Qinxue Lee, master student in Construction Management (in progress)
4. Jeremy Berke, master student in Construction Management (in progress)

Dissertation/thesis advising chair for the following students at the University of Washington

5. Wonil Lee, PhD student in the College of Built Environment (co-advised with Prof. Giovanni Migliaccio)
6. Atieh Borhani, master student in Construction Management (Graduated in June 2016)

Thesis committee member for the following students at the University of Washington

1. Ana Levan, master student with dual degrees in Architecture and Construction Management. (Graduated in Spring of 2009)
2. Sai Neeraj Kumar, master student in Construction Management (Graduated in Spring of 2009)
3. Amor Kool, master student in Construction Management (Graduated in Autumn of 2010)
4. Jessica Mo, master student in Construction Management (Graduated in Autumn of 2010)
5. Ann Anderson, PhD candidate in the College of Built Environments (Graduated in Summer of 2015)
6. Lucky Pratama, master student in Construction Management (Graduated in Summer of 2015)
7. Lokesh Masania, master student in Construction Management (Graduated in Summer of 2015)
8. Seyed Aborhani, master student in Construction Management (Graduating in Autumn of 2015)
9. Eric Opincar, master student in Construction Management (Graduating in Autumn of 2016)
10. Shalini Priyadarshini, PhD candidate in the College of Built Environments (On probation leave)

Research paper for graduation advisor for the following students at the University of Washington

1. Michael Cafferkey, master student in Construction Management (graduated in Spring of 2010), topic: "Green materials procurement processes of small to medium sized construction companies".
2. Shalini Gandhi, master student in Construction Management (graduated in Autumn of 2009), topic: "Survey Report for Methodological Improvement to Support Small-to-Medium Sized Contractors in Green Product Purchasing – Through Improved Acquisition of Green Product Information".
3. Shane Walker, master student in Construction Management (graduated in Spring of 2010), topic: "Promoting Sustainable HVAC Retrofitting: What Do Building Owners Think?"
4. Bob Baldwin, master student in Construction Management (graduated in Autumn of 2010), topic: "Current State of Knowledge Management within university Capital Projects Offices in the United States".
5. Larry Liu, master student in Construction Management (graduated in Autumn of 2010), topic: "Sustainable Development – A Comparative Study of Government Incentives for Green Building in the U.S. and Taiwan".
6. Rutayanee Swaro, master student in Construction Management (graduated in Autumn of 2010), topic: "Application of BIM in Integrated Project Delivery Method".

7. Yiming Wang, master student in Construction Management (graduated in Spring of 2011), topic: "An Outlook on World-wide Fall Protection Safety Regulations - What Can China Learn?"
8. Shuai Wang, master student in Construction Management (graduated in Winter of 2012), topic: "Barriers and Suggestions for LEED Building--A Case Study of Paccar Hall at University of Washington".
9. Corey Fitch, master student in Construction Management (graduated in Winter of 2012), topic: "The Use of Inverter Driven Mini-Split Heat Pumps for High Performance Heating in the Pacific Northwest".
10. Grant Johnson, master student in Construction Management (graduated in Spring of 2012), topic: "An Evaluation of the Application for Tablet Computing in Construction".
11. Aparna Nene, master student in Construction Management (graduated in Autumn of 2012), topic: "Ethics in Construction".
12. Craig Everson, master student in Construction Management (graduated in Spring of 2013), topic: "Straw Bale Wall Assemblies for Residential Construction - An Investigation of Cost and Time".
13. Yi-Jie Huang, master student in Construction Management (graduated in Spring of 2014), topic: "Temporary Construction Lighting Low Voltage LED Lighting System - UW Bothell Phase 3".
14. Erin Arneson, master student in Construction Management (graduated in Summer of 2014), topic: "Sustainable Urban Development Policy in Denmark".
15. Parvathiraja Kavalapparakottaram, master student in Construction Management (graduated in Summer of 2015), topic: "Identifying the opportunities/options in reduction of hospital waste and thereby attaining a sustainable healthcare waste management system".
16. Tahni Hartso, master student in Construction Management (graduated in Spring of 2016), topic: "Total Worker Health".
17. Jose Cuevas, master student in Construction Management (graduated in Autumn of 2016), topic: "Using Web-Based Subcontractor Evaluation and Selection Systems in Construction Industry"
18. Gaurav Badera, master student in Construction Management (graduated in Winter of 2017), topic: "ADAPT- A Behavior Based Safety Training Program to enhance the Safety of Construction Workers"
19. John Mercado, master student in Construction Management (in progress, active military duty student)

Independent Study Advisor for the following students at the University of Washington

1. Michael Cafferkey, master student in Construction Management (Spring, 2009)
2. Shalini Gandi, master student in Construction Management (Summer, 2009)
3. Shalini Priyadarshini, PhD student in the College of Built Environments (Summer, 2011)
4. Candy Zhang, undergraduate student in Construction Management (Summer 2011 - Winter 2012)
5. Jorge A De La Llata, master student in Construction Management (Winter, 2012)
6. Chris Carter, undergraduate student in Construction Management (Winter, 2012)
7. Ciao-Jyun Pi, master student in Construction Management (Autumn, 2012)
8. Seung Yeon Lee, PhD student in the College of Built Environments (Winter, 2013)

9. Christian Caldera, undergraduate student in Construction Management (Winter, 2013)
10. Yi Jie Huang, master student in Construction Management (Winter, 2014)
11. Aidin Behroozi, master student in Civil Engineering (Winter and Spring, 2015)
12. Tighe Urelus, undergraduate student in Construction Management (Spring, 2015)
13. Sadra Fardhosseini, PhD student in the College of Built Environments (Autumn, 2016)
14. Zhenyu Zhang, PhD student in the College of Built Environments (Autumn, 2016)
15. Elena DeLisio, master student in Construction Management (Winter, 2017)
16. Lucky Pratama, PhD student in the College of Built Environments (Spring, 2017)

Thesis committee member for the following students at foreign institutions

1. Cheng-Ting Chiang, Ph.D. candidate, Department of Civil Engineering, National Central University, Taiwan (graduated in Summer 2015)
2. Pei-Ru Wang, Ph.D. candidate, Department of Civil Engineering, National Chiao Tung University, Taiwan (graduate in Spring 2015)

Visiting student intern supervisor for the following students at the University of Washington

1. Meng-Han Tsai, Ph.D. candidate in Computer Aided Engineering, Department of Civil Engineering, National Taiwan University, Taiwan (07.2010 to 02.2011)
2. Tan Xiao, Ph.D. student, College of Civil Engineering, Xi'an University of Architecture and Technology, China (01.2011 to 01.2012)
3. Cheng-Hao Lee, M.S. student in Computer Aided Engineering, Department of Civil Engineering, National Taiwan University, Taiwan (07.2011 to 06.2012)
4. Nai-Wen Chi, Ph.D. student in Computer Aided Engineering, Department of Civil Engineering, National Taiwan University, Taiwan (09.2011 to 03.2012)
5. Jacob Lin, M.S. student in Computer Aided Engineering, Department of Civil Engineering, National Taiwan University, Taiwan (08.2012 to 06.2013)
6. Ting-Hui Lin, M.S. student in Computer Aided Engineering, Department of Civil Engineering, National Taiwan University, Taiwan (08.2013 to 07.2014)
7. Cheng-Ting Chiang, Ph.D. student, Information Technology Program, Department of Civil Engineering, National Central University, Taiwan (06.2014 – 02.2015)

Post-Doctoral Researcher supervisor for the following scholar at the University of Washington

1. Nai-Wen Chi (04.2013 to 03.2014)

Visiting scholar/faculty host for the following faculty members at the University of Washington

1. Shih-Chung Kang, Associate Professor, Department of Civil Engineering, National Taiwan University (07.2012 - 09.2012)
2. Ren-Jye Dzung, Professor, Department of Civil Engineering (Construction Engineering & Management Program), National Chiao-Tung University, Taiwan (07.2010 - 10.2010)

LANGUAGE

- Chinese (native language)
- Taiwanese (native language)
- English