

CURRICULUM VITAE

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Department of Public Health, College of Health Sciences
University of Massachusetts Lowell (USA)

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A. EDUCATION AND ACADEMIC QUALIFICATIONS

A.1 Education

- 2002 Ph.D. *University of Wisconsin – Madison*
 Industrial and Systems Engineering (Area: Human Factors Engineering)
 Dissertation: Working Conditions in Perú: A Survey Study of Workers’ Perceptions in an Industrially Developing Country
 Thesis Advisor: Dr. Michael Smith
- 1999 MSc. *University of Puerto Rico, Mayagüez Campus*
 Industrial Engineering (Area: Management Systems Engineering)
 Thesis: A Capacity-Driven Clustering Algorithm for Manufacturing Family Formation
 Thesis Advisor: Dr. Gursel A. Suer
- 1992 BSc. *University of Lima (Perú)*
 Industrial Engineering
 Thesis: A Feasibility Study to Develop and Implement a Manufacturing Plant of Natural Herbal Health Supplements: Garlic (*Allium sativum*), Caigua (*Cyclanthera pedata*) & Hercampuri (*Gentianella Alboroccea*) Gelatine Caps
 Thesis Advisor: Professor Benjamin Jarufe

A.2. Academic/Research Experience

<i>Date</i>	<i>Title</i>	<i>Department/Center</i>	<i>University/Institution</i>
2018-present	Visiting Professor ¹	School of Medicine	Universidad Peruana Cayetano Heredia (Lima, PERU)
2017-present	Project Director & Affiliated Faculty	Center for Digital Health https://www.uml.edu/Research/digital-health/default.aspx	University of Massachusetts Lowell (MA, USA)
2010-present	Associate Professor	Department of Public Health College of Health Sciences	University of Massachusetts Lowell (MA, USA)
2014-present	Affiliated Faculty	Industrial & Systems Engineering	Universidad Nacional Mayor de San Marcos (Lima, Perú)
2011-12	Visiting Faculty ²	Industrial Engineering	Universidad de Lima (Lima, Perú)
2010-present	Affiliated faculty	School of Prevention and Integral Safety	Universitat Autònoma de Barcelona (Spain)

¹ During 2018-2019 sabbatical leave

² During 2011-2012 sabbatical leave

<i>Date</i>	<i>Title</i>	<i>Department/Center</i>	<i>University/Institution</i>
2008-2012	Affiliated faculty	Center for Innovation in Construction Safety Research	Virginia Polytechnic Institute and State University -Virginia Tech (USA)
2003-2010	Assistant Professor	Department of Work Environment, College of Health Sciences	University of Massachusetts Lowell (MA, USA)
2003-2012	Affiliated faculty	Center for Sustainable Energy	University of Massachusetts Lowell (MA, USA)
2003-2009	Affiliated faculty	Center for Women & Work	University of Massachusetts-Lowell (MA, USA)
2002	Research Assistant	Center for Quality and Productivity Improvement (CQPI)	University of Wisconsin Madison (WI, USA)
2001-02	Teaching Assistant	Industrial and Systems Engineering Department	University of Wisconsin Madison (WI, USA)
1999-2001	Research Assistant	Socio-Technical Systems Laboratory	University of Wisconsin Madison (WI, USA)
1999-2001	Project Assistant	Office of Quality Improvement, Office of the Provost	University of Wisconsin Madison (WI, USA)
1997-98	Research Assistant	Research and Development Center	University of Puerto Rico – Mayagüez (Puerto Rico, USA)
1996-97	Teaching Assistant	Industrial Engineering Department	University of Puerto Rico – Mayagüez (Puerto Rico, USA)
1993-94	Lecturer	Industrial Engineering Dept.	University of Lima (Lima, Perú)
1992-93	Undergraduate Research Assist.	Industrial Production Research and Development Center	University of Lima (Lima, Perú)

A.3 Industry Collaborations and Other Professional Experience

<i>Date</i>	<i>Title</i>	<i>Department/Unit</i>	<i>Organization/Institution</i>
2017-present	Labor Migration and Health, Expert consultant	Global Workers Health, <i>Department of Public Health, Environmental and Social Determinants of Health</i>	World Health Organization (Geneva, Switzerland & Washington DC, USA)

<i>Date</i>	<i>Title</i>	<i>Department/Unit</i>	<i>Organization/Institution</i>
2010-present	Director	WHO Collaborative Center in Occupational Health ³	World Health Organization (WHO)
2011-present	Quality of Work Life (QWL) Project Director ⁴	Manufacturing and Quality Management	YOBEL SCM (Lima, Perú)
2003-04	Pro-bono Consultant	Migrant Labor Research Project ⁵	OXFAM (Boston, MA, USA)
2001	Research Assistant	Business Responsibility for Sustainable Development Project	United Nations Research Institute for Social Development – UNRISD (Geneva, Switzerland)
1998-99	Ergonomics Project Assistant	Industrial Engineering Division	Avon Inc. San Sebastián (Puerto Rico, USA)
1997-1998	Consultant, Ergonomics	Human Resources Division	IPR Pharmaceuticals Inc. (Puerto Rico, USA)
1997	Consultant, Ergonomics	Industrial Engineering Division	StorageTek Ponce (Puerto Rico, USA)
1995-96	Plant Manager	Industrial Engineering Division	Biochemical Institute Dr. F. Remy (Lima, Perú)
1994-95	Manufacturing Engineer	Engineering Division, Production Planning & Control	YOBEL SCM (Lima, Perú)

B. PROFESSIONAL ACTIVITIES

B.1 Professional Affiliations

American Public Health Association (APHA); *Affiliate member, 2013-2016*
Human Factors & Ergonomics Society (HFES), USA; 2001-2011
American Association for the Advancement of Science (AAAS); 2008-2011
American Society of Safety Engineers (ASSE), USA; 2009-2011
American Society for Engineering Education (ASEE), USA; 2007-2011
Institute of Ergonomics and Human Factors (IEH); *Student member, 2000-2002*

B.2 Peer Reviewer for Academic Journals (*sorted chronologically*)

Frontiers in Public Health, Occupational Health and Safety; since 2018
Race and Social Problems; since 2015

³ WHO Collaborating Center renewal process is underway under leadership of Drs. Maria Brunette and working directly with WHO headquarters in Geneva and the Pan-American Health Organization (PAHO) in Washington, DC.

⁴ This is a pro bono appointment for a university-industry partnership initiated during sabbatical leave 2011-2012.

⁵ Publication: <https://www.oxfamamerica.org/static/media/files/like-machines-in-the-fields.pdf>

Progress in Community Health Partnerships: Research, Education, and Action; since 2014
American Journal of Industrial Medicine; since 2013
Construction Management and Economics; since 2013
WORK: A Journal of Prevention, Assessment & Rehabilitation; since 2013
Applied Ergonomics, since 2009
The Open Occupational Health & Safety Journal, since 2009
Human Factors & Ergonomics in Manufacturing, since 2009
Journal of Agricultural Safety and Health, since 2008
Journal of Occupational & Environmental Medicine- JOEM, since 2007

B.3 Panel Reviewer/Chair for National and International Funding Agencies

National Institute for Occupational Safety & Health (NIOSH); USA

NIOSH Training Project Grant (TPG) Program, since 2015
Office of Extramural Programs, since 2010
NORA Practice and Surveillance, USA; 2007-2008

National Science Foundation (NSF); USA

Biomedical Computing and Health Informatics (BCHI); since 2017
Smart & Connected Health Program, Computer and Information Science and Engineering (CISE); since 2015
Science of Organizations Program; since 2015
ADVANCE Partnerships in Adaptation, Implementation and Dissemination, PAID; 2009/10
Historically Black Colleges and Universities Undergraduate Program (HBCU-UP), since 2008
Research on Gender in Science and Engineering program; 2007 & 2009

Work Safe British Columbia; Canada

Innovation at Work Program; since 2004

B.4 Professional Recognition, Honors & Awards

“United Nations Global Compact for Migration –Side event” invitation to participate in an expert panel on the work-related and occupational health of international migrant workers. World Health Organization, Geneva, Switzerland; October 12, 2017.

“Grand Challenges 2020”, University of Massachusetts Lowell Office of the Chancellor:

Transformational Education Grant: A Global Health Research Experience for Underrepresented Public Health Students; November 2015

Conference Travel Grant from The National Science Foundation (NSF) to attend the ADVANCE-ENGINEERING Coast to Coast Summit for Underrepresented Minority (URM) Women Engineering and Science Faculty, North Carolina State University, Raleigh, NC; June 2011

Conference Travel Grant from The National Science Foundation (NSF) to attend the Committee on Equal Opportunities on Science & Engineering (CEOSE) Symposium on Women of Color in Science, Technology, Engineering and Mathematics (STEM); Washington DC, October 2009

Travel Grant from National Safety Council (NSC) to attend First Hispanic Safety and Health Congress, San Diego, CA; November 2006

Outstanding Faculty Teaching Award from University of Massachusetts-Lowell, Department of Work Environment; 2005

Travel Grant from National Safety Council (NSC) to attend World Safety Congress, Orlando, FL; September 2005

Dissertation Travel Grant Department of Industrial Engineering, University of Wisconsin-Madison; 2002

Antoinette Derjani Outstanding Graduate Student Scholarship for Academic Achievement in Human Factors Engineering (first recipient); Industrial & Systems Engineering Department, University of Wisconsin-Madison; 2002

Vilas Travel Fellowship from University of Wisconsin-Madison Graduate Student Council to complete a research internship at the United Nations Research Institute for Social Development (UNRISD) in Geneva, Switzerland; 2002

Conference Travel Grant from University of Wisconsin-Madison Industrial Engineering Department to attend United Nations Conference “Geneva 2000: The Next Step for Social Development”; 2000

Leadership and Travel Award from the Committee on Institutional Cooperation (CIC) to participate at the National Science Foundation (NSF) Women in Science & Engineering (WISE) Conference; 2000

C. RESEARCH AND SCHOLARSHIP

C.1 Research Interests

- Strengthening local health systems via equitable collaborations with key community stakeholders -primarily in urban poor communities.
- Designing well-functioning and culturally-relevant health systems to reach marginalized and resource-poor working communities.
- Redesigning healthcare processes and workflows with continuous improvement tools, mobile technologies (*mHealth*) and participatory approaches.
- Designing effective programs to reduce occupational health disparities among migrant workers in the Americas region (North/Central/South).
- Designing Implementation Science research projects-translating and scaling up evidence-based *CBPR* interventions and policies within the context of socially excluded and Low and Middle-Income Countries (LMICs) communities.

C.2 Research Grants

C.2.1 *Extramural Funded Research*

National Institute of Biomedical Imaging and Bioengineering to **Brunette**, M; Liu, B; and Cao, Y.
2016-2020: A Sociotechnical Systems Approach For Improving Tuberculosis Diagnostics Using Mobile Health (mHealth) Technologies

Role on grant: Project Director/Principal Investigator; \$1,294,274

News: New Tool, Developed at UML, Expected to Speed Up Diagnoses of Tuberculosis

<https://www.uml.edu/News/stories/2015/NIH-NSF-TB-diagnosis.aspx>

News: Researchers Use Smartphones to Improve TB Diagnosis in Peru

<https://www.uml.edu/News/stories/2018/Diagnosing-TB.aspx>

News: Proyecto piloto evalúa el uso de tecnologías móviles en salud para el diagnostico de TB

<http://imtavh.cayetano.edu.pe/es/component/k2/item/281-tbumasspiloto.html>

University of Massachusetts Medical School/Office of Global Health to Pagoto, S., Lemon, S., **Brunette**, M., Liu, B. and Lecca, L.

2014-2015: Understanding of the Intersection of Behavioral, Psychosocial and Cultural Risk Factors in the Context of Maternal and Child mHealth Interventions in Perú.

Role on grant: Co-Principal Investigator; \$35,000

National Institute of Occupational Safety & Health – NIOSH (R01OH008750-01A1) to Azaroff, L., Gagliardi, M., Grullon, M., **Brunette**, M.J., Roelofs, C. and Shepherd, S.

2007-2013: A Community-Based Participatory Research (CBPR) approach to adapt organizational and technical interventions for falls and silica exposure prevention among Hispanic Workers.

Role on grant: Co-Principal Investigator; \$2,706,803

News: UMass Lowell Partners with Lawrence on \$2.7 Million Worker Safety Program

https://www.uml.edu/News/press-releases/2007/worker_safety_program_announce.aspx

National Institute of Occupational Safety & Health (NIOSH) to Markowitz, S., Sembawje, G. and Make the Road New York – MRNY (Queens, NY).

2013-2015: Reducing Occupational Hazards of Sandy-Related Work of Immigrant Day Laborers.

Role on grant: Community-Based Participatory Research (CBPR) expert consultant

National Institute on Minority Health and Health Disparities (NIMHD) to Fernandez-Esquer, M., Diamond, P. and Fe y Justicia Worker Center (Houston, Texas).

2013-2015: A Prevention Program to Reduce Injury Disparities among Latino Day Laborers.

Role on grant: Community-Based Participatory Research (CBPR) expert consultant

Virginia Tech Center for Innovation in Construction Safety and Health (R01 U19 OH008308-04, Sub award agreement CR-19816-431440) to **Brunette**, M.J. and Evia, C.

2008-2010: Developing Effective Construction Safety Training Documentation for Hispanic/Latino Workers via a Linguistically & Culturally Appropriate Methodology.

Role on grant: Principal Investigator (PI); \$15,430

Universidad de Guadalajara (Mexico) Ergonomics Research Center to Prado, L. and **Brunette**, M.J.
2008 -2009: Working Conditions in Mexico: A Survey Study of Blue Collar Worker's Perceptions
Role on grant: Co-Principal Investigator; In-kind contribution

National Science Foundation (NSF) to Rayman, P., **Brunette**, M.J., and Bond, M.
2006-2009: Intergenerational Exchange on Women and Science Research
Role on grant: Co-Principal Investigator; \$239,227

Massachusetts Department of Public Health (MDPH) to **Brunette**, M.J.
2005-2006: Development of Fall Prevention Materials Targeted to Latino Construction Workers.
Role on grant: Principal Investigator (PI); \$22,016

National Institute of Health (NIH), National Institute of Environmental Health Sciences to Siqueira, C., Estabrook, T, **Brunette**, M.J., Renault-Caragianes, P., and Da Rocha, F.
2003-2007: Work Environment Justice Partnership for Brazilian Immigrant Workers in Massachusetts.
Role on grant: Co-Investigator; \$920,633

Occupational Safety & Health Administration/OSHA Susan Harwood Training Grant to **Brunette**, M.J.
2003-2005: Promoting Safe and Healthy Conditions of Work for All: Design of Training & Educational Materials for Hispanic Construction Workers.
Role on grant: Principal Investigator (PI); \$105,626

University of Massachusetts Boston Institute of Asian American Studies to **Brunette**, M.J.
2003-2004: Decent and Safe Workplaces for Cambodian Workers in Lowell: A Pilot Study to Establish a Worker Awareness Campaign using a Participatory Approach.
Role on grant: Principal Investigator (PI); \$4,600

C.2.2 Internal Funded Research: Pilot/Seed Grants

University of Massachusetts Lowell IDEA Leadership Fund (*pending*). To Sladkova, J., **Brunette**, M., Forrant, R., Llewellyn, C., Mendoza, J., Pineros-Shields, T.
2018-2019: Global Migration Issues: Seed Grant to develop a Center proposal.
Role on grant: Co-Principal Investigator (PI), \$10,000

University of Massachusetts Lowell Vice-Provost for Research Office to **Brunette**, M.J. and Liu, B.
2013-2014: Addressing Maternal & Child Health with E-health Applications
Role on grant: Principal Investigator (PI), \$15,000
News: Reaching the 'Hard-to-Reach' with Mobile Health Applications in Peru
https://escholarship.umassmed.edu/chr_symposium/2013/posters/4/

University of Massachusetts Lowell Healey Research & Scholarship Grant to **Brunette**, M.J.
2009-2010: Hispanic Women in Academic Engineering: Role models for current and future generations of women engineers.
Role: Principal Investigator (PI), \$6,000

University of Massachusetts Lowell School of Health and Environment to Siqueira, C., **Brunette**, M.J. and Abdallah, L.

2007-2008: New Voices for Health & Environment Signature Initiative.

Role: Principal Investigator (PI), \$10,000

News: Ethnic Media Panel Delivers Message to UMass Lowell

https://www.uml.edu/News/stories/2007-08/new_voices_in_media.aspx

University of Massachusetts-Lowell Council on Diversity and Pluralism to **Brunette**, M.J.

2003-2004: Quality of Academic Life in the College of Engineering: Perceptions of a Diverse Student Group.

Role: Principal Investigator (PI), \$5,000

C.3 Academic/Peer-Reviewed Publications

C.3.1 Journal Articles (students underlined)

Topic Area: Migrant Workers Health (Latino/Hispanic Workers)

Sprague-Martinez, L., Ndulue, U., and **Brunette**, M. (2011). Lessons learned from the Proteccion en Construccion (PenC) community research partnership. *International Public Health Journal*; 4(3)

Roelofs, C., Sprague-Martinez, L., **Brunette**, M., and Azaroff, L. (2011). A qualitative investigation of Hispanic construction worker perspectives on factors impacting worksite safety and risk. *Environmental Health*, 10:84

Brunette, M.J. (2005). Development of Educational and Training Materials on Safety & Health: Targeting Hispanic Workers in the Construction Industry. *Family & Community Health*, 28(3): 253-266.

Brunette, M.J. (2004). Construction Safety and Health Research and the Hispanic Workforce in the U.S.: The Need for a Research Agenda. *Injury Prevention*, 10:244-248.

Topic Area: Occupational Health & Safety in Low and Middle-Income Countries (LMICs): Peru

Brunette, M.J.; Morocho, C., Noriega, M.T.; and Andrade, N. (2017) Identificacion de Malestares Musculo-esqueletales en una planta de joyas en Los Olivos, Lima-Perú (Identifying Musculoskeletal Discomfort at a Jewelry Manufacturing Plant in Los Olivos, Lima-Perú). *Revista Ingeniería Industrial*, Universidad de Lima, Perú.

Brunette, M.J., Smith, M.J., and Punnett, L. (2011). Perceptions of Working and Living Conditions among Industrial Male and Female Workers in Perú. *WORK, A Journal of Prevention, Assessment & Rehabilitation*. 38(3):211-23. doi: 10.3233/WOR-2011-1125

Brunette, M.J. (2003). Satisfacción, Salud y Seguridad Ocupacional en el Perú: Percepciones de la Clase Trabajadora Industrial en un País Subdesarrollado [Occupational Safety & Health and Job Satisfaction in Perú: Perceptions from the Working Class in a Developing Country]. *Economía y Sociedad*, Junio 2003, N° 50. Consorcio de Investigación Económica y Social (CIES). Lima, Perú.

Topic Area: Global Public Health: A Focus on Low & Middle-Income Countries (LMICs)

Brunette, MJ and Curioso, W. (2017). Sistemas de Salud Móvil Integrados: Rol de los Factores Socioculturales y el Enfoque de Sistemas Socio-técnico (Integrated Mobile Health Systems: Role of Socio-Cultural Factors and the Socio-technical Systems Approach). *Rev Peru Med Exp Salud Pública*. 2017: 34 (3). <http://dx.doi.org/10.17843/rpmesp.2017.343.2859>

C. Liu, M. Alcantara, Y. Cao, B. Liu, M. J. Brunette, J. Peinado, and W. H. Curioso, " TX-CNN: Detecting Tuberculosis in Chest X-ray Images Using Convolutional Neural Network," *IEEE Conference on Image Processing (ICIP 2017)*, Beijing, China; September 2017.

M. F. Alcantara, Y. Cao, C. Liu, B. Liu, M. J. **Brunette**, N. Zhang, T. Sun, P. Zhang, J. Peinado, E. S. Garavito, L. L. Garcia, and W. H. Curioso (2017). "Improving Tuberculosis Diagnostics using Deep Learning and Mobile Health Technologies among Resource-poor Communities in Perú," *Smart Health, Volumes 1–2, June 2017, Pages 66-76*. <https://doi.org/10.1016/j.smhl.2017.04.003>

Cao, Y; Liu, C; Liu, B; **Brunette**, M; Zhang, N; Sun, T; Zhang, P; Peinado, J; Sanchez-Garavito, E; Lecca, L; Curioso, W (2016). Improving Tuberculosis Diagnostics using Deep Learning and Mobile Health Technologies among Resource-Poor and Marginalized Communities. CHASE 2016: First IEEE Conference on Connected Health. DOI: 10.1109/CHASE.2016.18

Topic Area: Occupational Health & Safety (general)

Dasgupta, P; Sample, M; Buchholz, B and **Brunette**, M.J. (2017). Is Worker Involvement an Ergonomic Solution for Construction Intervention Challenges? A Systematic Review. *Theoretical Issues in Ergonomics Science*, Vol. 18 (5). <http://dx.doi.org/10.1080/1463922X.2016.1274452>

Hernández, JL; **Brunette**, M; Ibarra, B; Garcia, JL (2012). Factores de fatiga en operadores de maquinaria semiautomatizada en México [Fatigue among Advanced Manufacturing Technology/AMT operators in Mexico]. *Revista Ingeniería Industrial*⁶, Universidad de Lima.

Hernández, JL; Ibarra, B; Serratos, N; Garcia, JL; **Brunette**, M. (2012). Construction of a survey to assess workload and fatigue among AMT operators in Mexico. *WORK, A Journal of Prevention, Assessment & Rehabilitation*, 41, 1790-196.

⁶ *Ingeniería Industrial (or Industrial Engineering)* is the leading peer-reviewed Engineering journal in Perú, published by The College of Engineering at the Universidad de Lima.

P. Carayon, J. Schoepke, P. Hoonakker, M. C. Haims and M.J. **Brunette** (2006). Evaluating causes and consequences of turnover intention among IT workers: The development of a questionnaire survey. *Behaviour & Information Technology*, 25 (5).

C.3.2 Manuscripts under Review/Preparation

Brunette, MJ; Andrade, N; Huamani, C; Marcos, R; Noriega MT. *Ergonomia Participativa y Mejora de la Calidad de Vida del Trabajador: Estudio de Caso en una Planta de Manufactura en Peru* (Participatory Ergonomics and Quality of Working Life: A Case Study in a Manufacturing Plant in Perú). To be submitted to *Rev Peru Med Exp Salud Pública* (completed manuscript)

Curioso, W; **Brunette**, MJ; Ugarte-Gil, C; Liu, B.; Cao, Y., Alcantara, M. mHealth Applications for Improving Tuberculosis Diagnostics: A Meta-Narrative Review. To be submitted to the *Global Health Science and Practice Journal* (completed manuscript)

Sembajwe G. and **Brunette**, MJ. Worker-led assessment of safety and health hazards in disaster clean-up and construction work: A case study of Latino Day Laborers (LDLs) using mobile technologies. (publication in progress)

Brunette, MJ, Yataco, R., Peinado, J., Lecca, L. Understanding of the Work System for Healthcare Professionals in TB Clinics in Lima, Peru (publication in progress)

Brunette, MJ; Curioso, W; Liu, B.; Cao, Y., Peinado, J., Lecca, L. A Community-Based Participatory Research (CBPR) Framework for mHealth Projects in LMICs (publication in progress)

Brunette, MJ; Safety & health research among Hispanic workers in the U.S.: Reflections on the past and future 10 years (publication in progress)

C.3.3 Books and Book Chapters

Moure-Eraso, R. and Brunette, M.J. (2017). Employment Conditions as a Social Determinant of Health in Latino Populations: Policy Interventions Using the WHO Social Determinants Model. In: Leong, F; Eggerth, D; Chang, D; Flynn, M; Ford, K. and Martinez, R. (Eds.). "Occupational Health Disparities among Racial and Ethnic Minorities: Formulating Research Needs and Directions". American Psychological Association (APA), <http://dx.doi.org/10.1037/0000021-003>

Brunette, M.J. and Ibarra, M.T. (2009). Ergonomics, Safety and Health in Industrially Developing Countries: A needed multi-level interdisciplinary approach. In: Scott, P. (Ed.). *Handbook of Ergonomics in Industrially Developing Countries*. Taylor & Francis, London.

Rayman, P., Bond, M., **Brunette**, M.J., Lally, J., and Hunt, E. (Eds.), 2009. *Working WISE: Intergenerational Voices Advancing Research and Policy for Women in Science, Technology, Engineering and Mathematics.*, University of Massachusetts Lowell Center for Women and Work, Lowell, MA.

Siqueira, E., **Brunette**, M., Abdallah, L. (Eds.), 2008. *New Voices for Health & Environment : An Ethnic Media Catalog*. School of Health & Environment, University of Massachusetts-Lowell. May 2008.

Brunette, M.J. (2005). *Occupational Safety*. In: Wegman, D and Levi, B. (Eds). *Occupational and Environmental Health: Recognizing and Preventing Disease and Injury*, 5th Edition. Lippincott Williams & Wilkins, Philadelphia, PA.

Brunette, M.J. (2005). Spanish-English Construction Dictionary. Available at the Pan American Health Organization (PAHO) site:

http://www.bvsde.paho.org/foro_hispano/Diccionario_de_Construccion.pdf

Material distributed in “Foro Hispano: Salud y Seguridad de los Trabajadores Hispanos en los Estados Unidos: Un aporte de la Organización Panamericana de la Salud, OPS)”-included also in section C.3.5.

C.3.4 Refereed Proceedings (students underlined)

Brunette, M. (2015). Tackling societal challenges in the South: Challenges and opportunities for engaged scholars in the North. Citizen Science 2015 Conference, San Jose, CA.

Tiles, A., Camacho, A., Palaguachi, D., Sembajwe, G., **Brunette**, M., Markowitz, S., Baron, S. (2015). *Exploring the use of smart phones and mobile applications to document the occupational hazards of immigrant construction workers in a post disaster setting*. American Public Health Association Meeting, Nov 2015.

Fernandez-Esquer, M.E., Diamond, P., Perez-Boston, L., Jimenez, M., Brown, L., Reininger, B., **Brunette**, M. (2014). *Prevention Program to Reduce Injury Disparities Among Latino Day Laborers*; American Public Health Association Meeting, Nov 2014.

Kaushik, B., **Brunette**, M., Fu, X. and Liu, B. (2014). Customizable, Scalable and Reliable Community-based Mobile Health Interventions. Mobile Health 2014 Conference, Philadelphia, USA, 8/2014.

Hernandez, JL; **Brunette**, M., Ibarra-Mejia, G., Balderrama, C.O. (2014). Fatigue Dimensions Among Operators of CNC Lathes and Hydraulic Presses: A Comparison of Factor Analyses. The XXVI Annual Occupational Ergonomics & Safety Conference; El Paso, TX, USA, June 5-6 2014.

Roelofs, C; **Brunette**, M; Sun, C; Anziani, D. Grullon, M. Azaroff, L. (2011). *Health & Safety Perspectives of Latino Construction Workers: Results of a Community Survey*; American Public Health Association Meeting Oct-Nov 2011

Silka, L., **Brunette**, M.J., Grigg-Sato, D., Grullon, M., Tellez, T., Mangknoe Dhammadaharo, A. and Buddhahavana, W. (2010). The Ethics and Politics of Research with Immigrant Populations: The Massachusetts Experience. University of Minnesota, June 4-5, 2010.

Shepherd, S., Azaroff, L., **Brunette**, M., Roelofs, C., Parker, E., Grullon, M., Marin, L. (2010). Developing an occupational health and safety intervention to prevent falls and silica exposure to

Latino construction workers through community-based participation. American Public Health Association, Annual Meeting; November 2010.

Marin, L. and **Brunette, M.J.** (2010). Culturally Relevant and Leadership Training for Construction Supervisors. American Society of Safety Engineers (ASSE) 2010 Conference, San Diego, CA, June 2010, *(session delivered in Spanish)*.

Brunette, M.J. and Prado, L. (2009). Work, health and stress in Industrially Developing Countries: Perceptions of female industrial workers in Mexico & Peru. Work, Stress & Health Conference, APA/NIOSH, San Juan, P.R.. November 2009.

Brunette, M.J., Evia, C., **Haro, E.,** Hoonaker, P., Kleiner, B., Smith-Jackson, T. Advancing Safety in Construction: An Organizational, Systemic, and Cultural Approach. Human Factors and Ergonomics Society's (HFES) 53rd Annual Meeting -San Antonio, Texas, October 19-23, 2009.

Roelofs, C., **Brunette, M.J.,** Azaroff, L., Grullon, M., Gagliardi, M., Shepherd, S., **Marin, L.,** Latowsky, G., and Anziani, D. (2009). A Community-Based Participatory Approach to Preventing Falls and Silica Exposure Among Latino Construction Workers. American Industrial Hygiene Conference and Expo (AIHce), Toronto-Canada, June 2009.

Brunette, M.J., Azaroff, L., Grullon, M., Gagliardi, M., Roelofs, C., Shepherd, S., Latowsky, G., Matos, C., and Anziani, D. (2008). A community-based participatory approach to prevent falls among Latino construction workers. National Occupational Injury Research Symposium, NOIRS; Pittsburg PA.

Brunette, M.J. (2008). Advancing HF/E research among Hispanics: Role of a community-based participatory approach. In Symposium "Self-Globalization: Strategies in HFES education, research, and practice", Human Factors and Ergonomics Society's (HFES) 52nd Annual Meeting –New York.

Brunette, M.J., Rayman, P., Bond, M., Lally, J., and **Sistla, P.** (2008) "An Intergenerational Working Conference to Define Research Questions for Future Work on Women's Success in STEM". Women in Engineering Programs & Advocates Network (WEPAN) 2008 Annual Conference, St. Louis, MO, June 2008; <https://journals.psu.edu/wepan/article/viewFile/58542/58230>

Brunette, M.J. (2008). Conditions of Work, Mental Distress and Satisfaction in Peru: Do Women's perceptions differ from those from men?. Work, Stress & Health Conference, APA/NIOSH, Washington, D.C. March 2008.

Brunette, M.J., Rayman, P., Bond, M. and **Yuan, L.** (2007). A Delphi Study to Structure a Working Conference on Women's Success in Science, Technology, Engineering, and Mathematics (STEM) fields. American Society of Engineering Education (ASEE) Annual Conference, Honolulu, Hawaii.

Brunette, M.J. (2004). Work Environment and Quality of Working Life among the Cambodian Workforce: A Pilot Study. Proceedings of the 48th Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA.

Brunette, M.J. (2004). Quality of Academic Life in the College of Engineering: Perceptions of a Diverse Student Group. Proceedings of the "Building Bridges" Graduate Women in Science (GWIS) 83rd Annual National Meeting.

Brunette, M.J. (2003). New Perspectives in Construction Health & Safety Research: Investigation of the Complex Relationships Between The Worker, The Work Environment, and The Socioeconomic Context, National Occupational Injury Research Symposium (NOIRS), Pittsburgh (USA), October 2003.

Brunette, M.J. (2003). Job Satisfaction and Occupational Health in Peru: A Survey Study of Worker's Perceptions in an Industrially Developing Country. Proceedings of the International Ergonomics Association - IEA Congress, Seoul (Korea).

Carayon, P.; **Brunette**, M.J.; Haims, M.C.; and Hoonaker, P. (2002). Underrepresentation of Women and Minorities in the Information Technology Workforce: Job and Organizational Issues. Proceedings of the 6th International Scientific Conference on Work With Display Units - WWDU 2002 - World Wide Work, edited by H. Luczak, A.E. Cakir and G. Cakir, ERGONOMIC Institut fur Arbeits- und Sozialforschung Forschungsgesellschaft mbH, Berlin, Germany, pp.53-55.

Carayon, P.; Haims, M., **Brunette**, M.J., and Hoonaker, P. (2002). Quality of Working Life Among Women and Minorities in the Information Technology Workforce: A Pilot Study. Proceedings of the Annual Conference of the Human Factors and Ergonomics Society. Baltimore, Maryland (USA), September 30-October 4, 2002.

Castillo*, M.J. and Suer, G.A. (2002). A Capacity-Driven Clustering Algorithm to Solve the Cell Formation Problem. Cellular Manufacturing World Symposium, San Juan, Puerto Rico, pp. 89-94

* Maiden name

C.3.5 Poster Presentations (students underlined)

Brunette, M., Liu, B., Cao, Y., Peinado, J; Lecca, L; Curioso, W. (2017). *A Sociotechnical Approach to Improve Tuberculosis Diagnostics in Perú: Lessons learned in first year*. Poster presentation at the Smart and Connected Health (SCH) Principal Investigators Workshop, Boston University, March 21-22, 2017.

Paulino, O., De Leon, M., Contreras, C., Tintaya, K., Gonzalez, L., Pagoto, S., **Brunette**, M., (2016). Warmi-SMS: Sending one text to improve two lives: Using mobile technologies to improve maternal health". Poster selected as finalist for the Lancet/CUGH Student Poster Competition, Annual Consortium of Universities for Global Health (CUGH) Conference, San Francisco CA, April 9-11, 2016

Brunette, M., Liu, B., and Kaushik, B. (2013). *Reaching the "hard-to-reach" with mobile health applications in Perú*. Poster presentation at the University of Massachusetts Medical School - Community Engagement and Research Symposium, UMASS Center for Clinical Translational Science. Available at: http://scholarship.umassmed.edu/chr_symposium/2013/posters/4

- Brunette**, MJ; Anziani, D; Peguero, S; Williams, C; Williams J; and Gonzalez, E (2011). *Role of Latino community health workers in construction safety intervention research*. Poster presentation at the NIOSH Conference on Eliminating Health and Safety Disparities at Work; Chicago, ILL; USA. September 14-15, 2011.
- Marin, L.; Roelofs, C., Sun, C., **Brunette**, M., Anziani, D., Azaroff, L. (2011) Preliminary Results of a Community Survey on Construction Safety Climate for Hispanic Workers. UMASS Lowell School of Health & Environment Poster Day
- Brunette**, MJ; Evia, C; Lawson, D (2010) *Enabling bilingual workplace communication with comics and motion comics to promote decent and safe work*. Poster presentation at the University of Massachusetts Lowell School of Health Environment (SHE) Research Day, May 2011.
- Brunette**, M.J. (2010) *Culturally relevant safety training for Hispanics living and working in the US*. Poster presentation at the National Action Summit for Latino Worker Health and Safety, Occupational Safety and Health Administration (OSHA); Houston TX, April 14-15, 2010
- Brunette**, M.J. (2009). Addressing Safety & Health Education Needs of Latino Construction Workers: Implementing A Culturally Relevant Approach and Developing Strategic Research Partnerships. Poster presentation at the NIOSH Border Partners Meeting ‘Research Translation for Immigrant Workers: Creating Replicable Models’; El Paso TX, October 7, 2009.
- Brunette**, M.J. and Rayman, P. (2009). Voices of Women in STEM Fields: An Intergenerational Participatory Conference. Poster presentation at the American Association for the Advancement of Science (AAAS) Annual Conference, Chicago, Feb. 12-15, 2009.
- Bond, M., **Brunette**, M., Rayman, P., Lally, J. (2008). Intergenerational Working Conference on Workplace Barriers Facing Women in STEM. American Psychological Association (APA) Annual Convention, Boston MA, August 2008.
- Hargis, S., Lally, J., Konovalova, K., Rayman, P., **Brunette**, M., Bond, M. (2008). Intergenerational Voices on Women in Science and Engineering: A Working Conference to Design Research for Women’s Success in STEM; Summit for Economic Justice for Women: Bridging Together Research and Advocacy – from Local to Global – to Advance Economic Justice and Empowerment for Women. Atlanta, Georgia, April 2008.
- Lally, J., Konovalova, K., Rayman, P., **Brunette**, M., Bond, M. (2007). Intergenerational Voices on Women in Science and Engineering: A Working Conference; National Science Foundation Division of Human Resources Development – 2007 Joint Annual Meeting and Poster Exhibition, Washington, D.C. August 2007.
- Brunette**, M.J. and Smith, M.J. (2007). “Gender Differences in Self-Reported Musculoskeletal Pain, Stress, Health and Satisfaction among Blue-collar Workers in Peru” (poster presentation). PREMUS Conference: Boston, MA, August 2007.

C.3.6 Contributed Oral Presentations & Colloquia (students underlined)

- Baron, S., Tiles, A. Palaguachi, D., Camacho, A., Sembajwe, G., Cuervo, I., **Brunette**, M., Markowitz, S. (2015). Reducing Occupational Hazards of Sandy-Related Work of Immigrant Construction and Clean-up Workers. Center for Disease Control (CDC) Hurricane Sandy Grantee Meeting, Atlanta, GA; March 25, 2015.
- Brunette**, MJ; Cifuentes, M; O'Kyere, D; and Casavant, E. (2013). Quality of Working Life Index in Peru. UMASS Lowell College of Health Sciences Research Day. May 2013.
- Brunette**, MJ (2012). Scholarship in Action: The Role of Academic Partnerships in Peru. Work Environment Department Seminar Series. UMASS Lowell College of Health Sciences, November 12, 2012.
- Brunette**, M.J. (2009). Promoting Safety in Construction: An Organizational and Socio-Cultural Approach. American Society of Safety Engineers, New England Conference, Sturbridge, December 2009.
- Moure-Eraso, R. and **Brunette**, M.J. (2008). Employment Conditions as a Social Determinant of Health and Health Inequalities in Latino Populations. Semana Salud y Seguridad en el Trabajo – Argentina, April 2008 (*session delivered in Spanish*).
- Rayman, P., **Brunette**, M., Bond, M. (2007). Women working in STEM fields: Interdisciplinary and Intergenerational Understandings. European Association for Work and Organizational Psychology, Stockholm, Sweden, May 2007.
- Tendencias Actuales en la Epidemiología Musculoesquelética (Current Trends in Musculoskeletal Epidemiology), Pre-Conference Workshop, Sixth International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS), Boston, MA, 2007; Co-organizer.
- Brunette**, M.J. (2007). Factores Organizacionales y Extra-Organizacionales: Importancia, consideraciones etiologicas y aspectos de medicion. Presented at Tendencias Actuales en la Epidemiología Musculoesquelética (Current Trends in Musculoskeletal Epidemiology), Pre-Conference Workshop, Sixth International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS), Boston, MA, 2007, (*session delivered in Spanish*).
- Corporate Social Responsibility and Occupational Health: A Roundtable Session. Sixth International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders (PREMUS), Boston, MA, 2007; Co-organizer and moderator with Dr. Kathleen Rest (The Union of Concerned Scientists, Cambridge MA, USA) and Drs. Monique Frings-Dresen and Judith Sluiter (The Coronel Institute of Occupational Health, Academic Medical Center Amsterdam, The Netherlands).
- Intergenerational Voices on Women in Science and Engineering, Working Conference: UMASS Lowell Center for Women and Work, Tyngsborough, MA, 2007; Conference organizer

- Brunette, M.J.** (2005). Protecting Our Health and Safety in Construction Work, Video Presentation at the 6th International Film and Multimedia Festival, Orlando, FL., September 2005.
- Brunette, M.J.** (2005). Development of Safety Training and Educational Materials Targeting the Hispanic Workforce: The Use of a Linguistic and a Cultural Approach. Oral presentation at the 2005 World Safety Congress, Orlando, FL. September 20, 2005.
- Brunette, M.J.** (2005). Decent and Safe Workplaces for Cambodian Workers in Lowell, MA: A Pilot Study to Explore Workers' Perceptions of Their Work Environment, 3rd Maine Occupational Safety and Health Research Symposium, University of New England, Biddeford Campus, Maine, May 2005.
- Brunette, M.J.** (2005). Safety Training Intervention Targeted to Hispanic Construction Workers, 3rd Maine Occupational Safety and Health Research Symposium, University of New England, Biddeford Campus, Maine, May 2005.
- Brunette, M.J., Siqueira, C., and Jansen, T.** (2005). Assessing the Conditions of Work of Brazilian Workers in Massachusetts, 3rd Maine Occupational Safety and Health Research Symposium, University of New England, Biddeford Campus, Maine, May 2005.
- Brunette, M.J.** (2004). Quality of Working Life in Peru: Survey Study of Workers' Perceptions in an Industrially Developing Country (Calidad de Vida del Trabajador en Perú: Estudio de las Percepciones de Trabajadores en un País en vías de Desarrollo Industrial). American Industrial Hygiene Conference & Exposition. Roundtable Sharing Excellence: Practical Experiences Among Spanish Speaking Professionals (Presented in Spanish):. Atlanta, Georgia (USA), May 8-13, 2004, (*session delivered in Spanish*).
- Brunette, M.J.** (2004). Work Environment and Quality of Working Life among the Cambodian Workforce: A Pilot Study, University of Massachusetts-Boston, Institute of Asian American Studies, Boston, MA, September 2004.
- Brunette, M.J.** (2004). Decent and Safe Workplaces for Cambodian Workers in Lowell: A Pilot Study to Explore Workers' Perceptions of Their Work Environment, University of Connecticut/University of Massachusetts-Lowell Joint Research Seminar, Sturbridge, Massachusetts (USA), January 2004.
- Brunette, M.J.** (2004). Current and Future Trends in Human Factors/Perspectives from New Ph.D.'s: Experiences of a Recent Graduate. Technical Session hosted by HFES Student Affairs; 48th Annual Meeting of the Human Factors and Ergonomics Society. Santa Monica, CA.
- Brunette, M.J.** (2003). Working Conditions in Peru: A Survey Study of Worker's Perceptions in an Industrially Developing Country, University of Connecticut/University of Massachusetts-Lowell Joint Research Seminar, Sturbridge, Massachusetts (USA), January 2003.
- Brunette, M.J.** (2002). The Role of Ergonomics in Promoting Corporate Social Responsibility, The Ergonomics Society (UK) Annual Conference 2002, Cambridge (United Kingdom), April 3-5, 2002.

Brunette, M. (2002). Human Factors/Ergonomics Role in Promoting Corporate Social Responsibility, Colloquium presented at the 46th Annual Conference of the Human Factors & Ergonomics Society (HFES), Baltimore, MD, 2002; Chair.

Strategies for Success: Advice from Women in Science and Engineering, Student Conference, University of Wisconsin-Madison, 2000; Conference Co-organizer.

C.3.7 Technical Reports

Brunette, M. and Liu, B. (2013). Mobile Health for All: Addressing Maternal Health in the Peruvian Andean Region. White Paper prepared for the UMASS Lowell Office of the Vice-Provost for Research. April 2013.

Noriega, MT and **Brunette, MJ** (2012). Riesgos ocupacionales en Trabajadores de Manufactura en el Perú (Occupational Health & Safety Hazards among Peruvian Manufacturing Workers). College of Engineering, Universidad de Lima, PERU.

National Research Council and Institute of Medicine (2009). Construction Research at NIOSH. Committee to Review the NIOSH Construction Research Program. Report No 8, Reviews of Research Programs of the National Institute for Occupational Safety and Health, Washington, D.C.: The National Academies Press. (**Brunette, M.J.** served in the 11-member Review Committee).

Brunette, M.J. and Fulmer, S. (2006). Developing Educational Materials on Fall Prevention Targeted to the Construction Industry. Report submitted to the Massachusetts Department of Public Health, Occupational Health Surveillance Program; October 2006.

Brunette, M.J. (2005). Students Perceptions of Academic & Institutional Hazards to Success in the College of Engineering: Final Report. Lowell, MA: Council on Diversity and Pluralism Diversity and Department of Work Environment, University of Massachusetts-Lowell.

OXFAM (2004). Like Machines in the Fields: Workers without Rights in American Agriculture: An Oxfam America Report; <https://www.oxfamamerica.org/static/media/files/like-machines-in-the-fields.pdf> (contributor)

Carayon, P., Aldag, R., Vernon, M., Hoonakker, P., Barrios, E., **Brunette, M.** and Schwarz, J. (2003). Report on the Phase 1 Pilot Study of our project on “Paths to Retention and Turnover in the IT Workforce: Understanding the Relationships Between Gender, Minority Status, Job and Organizational Factors”. Interim report on NSF-ITWF project (# NSF-EIA-0120092), Center for Quality and Productivity Improvement, University of Wisconsin-Madison.

Brunette, M.J. (2002). Business Practices & Critical Perspectives: Mt. Olive & Yum! Brands Inc. Report Submitted to OXFAM AMERICA; May 2002.

Castillo*, M. (2001). Voluntary Initiatives: Critical Perspectives. United Nations Research Institute for Social Development -UNRISD, Geneva (Switzerland).

Castillo*, M. (2001). Environmental and Social Responsibility of Selected Transnational Corporations: Company Policies and Critical Perspectives. United Nations Research Institute for Social Development UNRISD, Geneva (Switzerland).

* Maiden name

C.3.8 Other Editorially Reviewed Publications (students underlined)

Marin, L. & **Brunette**, M.J. (2012). Awareness Training for Residential Construction Supervisors. Blueprints Newsletter, Vol 11, Number 3; A Technical Publication of the American Society of Safety Engineers (ASSE) Construction Practice Specialty.

Brunette, M.J. (2008). A Cultural and Linguistic Approach to Construction Safety Training and Education for Hispanic Workers. Prevention Through Design (PtD) In Motion Newsletter, Issue 2, Spring, 2008, National Institute for Occupational Safety and Health PtD Initiative.

Brunette, M.J. (2002). Improving Working Conditions in Developing Countries. HFES December Bulletin. Santa Monica, CA: Human Factors and Ergonomics Society, 45 (12).

Brunette, M.J. (2002). The role of Human Factors/Ergonomics in promoting the improvement of working conditions in IDCs. IEA Newsletter: Ergonomics International, Issue 74.

Castillo, M. (2000). Assessing Occupational Stress. The Exchange Newsletter. Office of Quality Improvement – University of Wisconsin-Madison (USA), 4 (3).

Castillo, M. (2000). The Delphi method. The Exchange Newsletter. Office of Quality Improvement – University of Wisconsin-Madison (USA), 4 (5), 6-7.

Castillo, M. (2000). Geneva 2000, the Next Step for Social Development. The Exchange Newsletter. Office of Quality Improvement – University of Wisconsin-Madison (USA), 4 (5).

C.3.9 Theses and Dissertations

Brunette, M.J. (2002). Working Conditions in Perú: A Survey Study of Worker's Perceptions in an Industrially Developing Country. University of Wisconsin-Madison, Industrial Engineering Department. Madison, WI. Publication No. 30-72784. Dissertation Abstracts International, Vol 63 Issue 11B.

Castillo, M.J. (1999). A Capacity-Driven Clustering Algorithm for Family Formation, University of Puerto Rico-Mayaguez Industrial Engineering Department (MSc Thesis).

Castillo, M.J. (1992). A Feasibility Study to Develop and Implement a Manufacturing Plant of Garlic (*Allium sativum*), Caigua (*Cyclanthera pedata*) & Hercampuri (*Gentianella Alborocca*) Gelatine Caps, University of Lima (PERU) Industrial Engineering Department (BSc Thesis).

C.4 Community-Based Products and Materials

All materials were culturally and linguistically designed for Latin-American populations using adult education methods and participatory design processes.

C.4.1 Occupational Health Short Documentaries (5 total; available in Spanish and English)

Brunette, M. (October 2014). *Calidad de Vida del Obrero Industrial Peruano (Quality of Working Life among Industrial Workers in Perú)*: A 3 –part video series targeted to promote health and well-being among industrial workers in Perú. Each documentary was utilized as an intervention research tool). Produced by INTIMEDIA for the University/Industry Partnership between UMASS Lowell and YOBEL SCM. English/Spanish versions.

“Elisa: I work for my family”; Lima, Perú: 3min, Spanish audio, English subtitles. Available at <http://www.uml.edu/Research/WHOCC/videos.aspx>

“Maribel: Everything is possible in life”; Lima, Perú: 3min, Spanish audio, English subtitles. Available at <http://www.uml.edu/Research/WHOCC/videos.aspx>

“Pedro: You cannot work without good health”; Lima, Perú: 3min, Spanish audio, English subtitles. Available at <http://www.uml.edu/Research/WHOCC/videos.aspx>

Brunette, M.J. (2005). *Protegiendo Nuestra Salud y Seguridad en el Trabajo de Construccion (Protecting Our Health and Safety in Construction Work)*, HispanicsWorkSafe, Lowell, MA; 16 min. English/Spanish versions.

C.4.2 Graphic Novels: Fall Protection in Residential Construction (6 total; available in Spanish and English)

Brunette, M.J. , Evia, C. and Thorkelson, N. (2009). *Cheo* in ‘Ladder Safety’, UMASS Lowell and Virginia Tech Pilot Project, Lowell, MA.

Brunette, M.J. , Evia, C. and Thorkelson, N. (2009). *Cheo* en ‘Seguridad en las Escaleras’, UMASS Lowell and Virginia Tech Pilot Project, Lowell, MA.

Brunette, M.J. , Evia, C. and Thorkelson, N. (2009). *Cheo and his Advisors* in ‘Roof Safety’, UMASS Lowell and Virginia Tech Pilot Project, Lowell, MA.

Brunette, M.J. , Evia, C. and Thorkelson, N. (2009). *Cheo y Sus Consejeros* en ‘Seguridad en los Techos’; UMASS Lowell and Virginia Tech Pilot Project, Lowell, MA.

Brunette, M.J. , Evia, C. and Thorkelson, N. (2009). *Cheo and his Uncle* in ‘Safety in Scaffolds’, UMASS Lowell and Virginia Tech Pilot Project, Lowell, MA.

Brunette, M.J. , Evia, C. and Thorkelson, N. (2009). *Cheo y su Tio* en Seguridad en Los Andamios, UMASS Lowell and Virginia Tech Pilot Project, Lowell, MA.

C.4.3 Occupational Safety Cartoons (22 total; 11 in Spanish, 11 in English)

Brunette, M.J. and Thorkelson, N. (2005). Once Upon a Time. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Habia Una Vez. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Helpless. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). De Gran Ayuda. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005) Too Easy. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Morir es Muy Facil. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Motivate This. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Programa Para Motivar a los Trabajadores. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Safety Can't Wait. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). La Seguridad no Puede Esperar. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Think Before you Shoot. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Piense Antes de Disparar. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Flying Panels. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Tablas Voladoras. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). No Problem. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). No Hay Problema Jefe. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Dangerous Cables. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Cables Peligrosos. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Watch Out. HispanicsWorkSafe.org

Brunette, M.J. and Thorkelson, N. (2005). Mire Bien Donde Pone los Pies. HispanicsWorkSafe.org

C.4.4 Safety Factsheets Protéjase!, Protect Your Self (50 total; 25 in Spanish, 25 in English)

- Brunette, M.J. (2005).** Fatal Occupational Injuries among Hispanic Construction Workers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #1.
- Brunette, M.J. (2005).** Muertes entre Trabajadores de Construcción Hispanos. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #1.
- Brunette, M.J. (2005).** Causes of Electrical Deaths and Injuries among Construction Workers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #2.
- Brunette, M.J. (2005).** Causas de Muertes y Heridas Eléctricas Entre Los Trabajadores de Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #2.
- Brunette, M.J. (2005).** Fall-Related Deaths in the Construction Industry. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #3.
- Brunette, M.J. (2005).** Caídas Fatales en la Industria de la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #3.
- Brunette, M.J. (2005).** Musculoskeletal Disorders in Construction Workers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #4.
- Brunette, M.J. (2005).** Problemas Músculo esquelétales entre los Trabajadores de Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #4.
- Brunette, M.J. (2005).** Preventing Falls from Roofs. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #5.
- Brunette, M.J. (2005).** Prevención de Caídas Desde los Techos. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #5.
- Brunette, M.J. (2005).** Make Safety a Priority. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #6.
- Brunette, M.J. (2005).** Haga de la Seguridad su Prioridad. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #6.
- Brunette, M.J. (2005).** How Safe is that Scaffold? Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #7.
- Brunette, M.J. (2005).** ¿Que tan Seguro es ese Andamio? Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #7.

- Brunette, M.J. (2005).** Lead Poisoning in Construction. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #8.
- Brunette, M.J. (2005).** Intoxicación por Plomo en la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #8.
- Brunette, M.J. (2005).** Fatal Occupational Injuries among Foreign-Born Workers from 1996-2001. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #9.
- Brunette, M.J. (2005).** Muertes en el Trabajo entre Trabajadores Nacidos Fuera de los Estados Unidos de 1996-2001. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #9.
- Brunette, M.J. (2005).** Overexertion Injuries in Construction. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #10.
- Brunette, M.J. (2005).** Daños por Esfuerzos Excesivos en la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #10.
- Brunette, M.J. (2005).** Health and Safety Training in Construction Companies. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #11.
- Brunette, M.J. (2005).** Capacitación/Entrenamiento Sobre la Salud y Seguridad en el Trabajo de Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #11.
- Brunette, M.J. (2005).** Hazards Associated with Residential Construction. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #12.
- Brunette, M.J. (2005).** Peligros Relacionados con la Construcción Residencial. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #12.
- Brunette, M.J. (2005).** Preventing Construction Falls through Outside Intervention. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #13.
- Brunette, M.J. (2005).** Prevención de Caídas por medio de la Intervención. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #13.
- Brunette, M.J. (2005).** Factors that Cause Stairway Accidents. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #14.
- Brunette, M.J. (2005).** Factores que Causan Accidentes en las Escaleras. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #14.

- Brunette, M.J. (2005).** Fall Protection for Residential Roofers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #15.
- Brunette, M.J. (2005).** Protección contra Caídas para los Techeros (Roofers) Residenciales. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #15.
- Brunette, M.J. (2005).** Cumulative Trauma Disorders in the Construction Industry. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #16.
- Brunette, M.J. (2005).** Problemas de Trauma Acumulativo en la Industria de la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #16.
- Brunette, M.J. (2005).** Fatal vs. Serious Falls through Roofs in the Construction Industry. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #17.
- Brunette, M.J. (2005).** Caídas Mortales vs. Serias desde los Techos en la Industria de la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #17.
- Brunette, M.J. (2005).** Work-Related Eye Injuries among Carpenters. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #18.
- Brunette, M.J. (2005).** Heridas en los Ojos entre Carpinteros. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #18.
- Brunette, M.J. (2005).** Hearing Protection for Construction Workers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #19.
- Brunette, M.J. (2005).** Protección del Oído para los Trabajadores de Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #19.
- Brunette, M.J. (2005).** Ergonomics in the Construction Industry. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #20.
- Brunette, M.J. (2005).** La Ergonomía en la Industria de la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #20.
- Brunette, M.J. (2005).** Problems Faced by Hispanic Immigrants in Construction. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #21.
- Brunette, M.J. (2005).** Problemas que Enfrentan los Inmigrantes Hispanos en la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #21.
- Brunette, M.J. (2005).** Lead Contamination in the Homes of Construction Workers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #22

- Brunette, M.J. (2005).** Contaminación por Plomo en las Casas de los Trabajadores de Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #22.
- Brunette, M.J. (2005).** Respiratory Disease in the Construction Industry. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #23.
- Brunette, M.J. (2005).** Enfermedades Respiratorias en la Industria de la Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #23.
- Brunette, M.J. (2005).** Musculoskeletal Injuries and Chronic Pain among Construction Workers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #24.
- Brunette, M.J. (2005).** Daños Músculo-Esqueléticos y Dolor Crónico entre los Trabajadores de Construcción. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #24.
- Brunette, M.J. (2005).** Blood Lead Levels in U.S. Workers. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #25.
- Brunette, M.J. (2005).** Niveles de Plomo en la Sangre de Trabajadores en los Estados Unidos. Protéjase: Promoting the Health & Safety of Hispanic Workers. HispanicsWorkSafe, Fact Sheet #25.

C.4.5 A Spanish-English Worker Dictionary

- Brunette, M.J. (2005).** Spanish-English Construction Dictionary. Available at the Pan American Health Organization (PAHO) site:
http://www.bvsde.paho.org/foro_hispano/Diccionario_de_Construccion.pdf
 Material distributed in “Foro Hispano: Salud y Seguridad de los Trabajadores Hispanos en los Estados Unidos: Un aporte de la Organización Panamericana de la Salud, OPS)” -see also section C.3.5.

C.5 Community-Partnered Workshops and Symposia

Dissemination programs targeted to key community stakeholders and institutional partners in the United States and Latin-America

C.5.1 Addressing Occupational Health Disparities among Latinos in the United States

World Day for Safety and Health at Work 2015. Pan American Health Organization (PAHO). “*Preventive and participatory approaches for promoting workers’ health and wellbeing for vulnerable workforces of the Americas*”. Washington, DC., April-May 2015: Event co-organizer representing the UMASS Lowell/World Health Organization Collaborative Center USA-269.

- Brunette, M.J. (2015).** Calidad de Vida de Poblaciones Laborales Vulnerables: Rol de la Ergonomía Participativa [Quality of Working Life Among Vulnerable Working Populations: Role of

Participatory Ergonomics]. Keynote presentation at the XVII Mexican International Congress of Ergonomics. Sonora University and Mexican Ergonomics Society; Sonora, Mexico; April 18, 2015 (*session delivered in Spanish*).

Brunette, MJ (2013). Applying culturally-relevant human factors engineering approaches. Guest lecturer for EPD 690 Engineering Course: Sustainability and Society. University of Wisconsin-Madison, Spring 2013

Brunette, MJ (2012). Investigaciones Colaborativas y Sostenibles para la Mejora de la Salud y Seguridad de los Trabajadores Latinos en los EEUU: Uso de un Enfoque Multinivel [Sustainable Research Partnerships to Improve Safety and Health Conditions for Latino Workers: A Multilevel Approach], Peruvian Department of Labor, Occupational Safety & Health Division, Lima, PERU; April 13, 2012 (*session delivered in Spanish*).

Brunette, MJ (2012). Investigaciones Colaborativas y Sostenibles para la Mejora de la Salud y Seguridad de los Trabajadores Latinos en los EEUU: Uso de un Enfoque Multinivel [Sustainable Research Partnerships to Improve Safety and Health Conditions for Latino Workers: A Multilevel Approach], Presentation at the College of Engineering, Universidad Continental, Huancayo PERU; March 23, 2012 (*session delivered in Spanish*).

Brunette, MJ (2011). Calidad de Vida del Trabajador Latino en los EEUU: El Diseño Gráfico como herramienta de investigación [Quality of Working Life for Latino Workers in the USA: Graphic Design as a Research Tool. Presentation at the Universidad de Ciencias y Artes de America Latina (UCAL), Lima, PERU; November 22, 2011 (*session delivered in Spanish*).

Brunette, MJ (2010). Latino workers in the USA: Immigration, Work & Health. Presentation at the OSHA Region II New Jersey Office; Parsippany, NJ; September 29, 2010

Brunette, MJ (2010). Sustainable Research Partnerships to Improve Safety and Health Conditions for Latino Workers: A Multilevel Approach. Autonomous University of Barcelona, SPAIN; July 26, 2010.

Brunette, M.J. (2010). Culturally relevant training for Latino Construction Workers. First National Summit on Latino Worker Health & Safety. Occupational Safety & Health Administration, Houston, TX, April 2010.

Advancing Safety in Construction: An Organizational, Systemic, and Cultural Approach, Human Factors and Ergonomics Society's (HFES), 53rd Annual Meeting -San Antonio, TX, 2009; Workshop Organizer & Chair.

Embracing Ethnic Media to Promote Health & Environment: A Dialogue with Ethnic Media in the Merrimack Valley. University of Massachusetts Lowell, School of Health & Environment - May 2008; Co-organizer.

Azaroff, L., Brunette, M., Roelofs, C., Shepherd, S. (2008). How do people's jobs affect their health and what can we do about it? City of Lawrence Mayor's Health Task Force Annual Summit, Lawrence, MA, April 25, 2008.

Brunette, M.J. (2008). Participatory & Community Ergonomics Intervention to Improve Safety & Health of Hispanic Workers. Human Factors & Ergonomics Society (HFES) New England Chapter; Woburn, MA; November 2008.

Brunette, M.J. (2008). Building Sustainable Community-University Research Partnerships to Improve Safety and Health Conditions for Latino Construction Workers. The Center for Innovation in Construction Safety and Health Research, Virginia Polytechnic Institute and State University; Blacksburg, VA; November 2008.

Safety Communications Between Employers and Non-English Speaking Employees, Workshop at the 33rd Annual Safety and Health Council of New Hampshire Conference, Nashua, New Hampshire (USA), April 2004; Workshop Organizer.

Brunette, M.J. (2004). Success Stories on Health & Safety Initiatives: Training and Educational Materials for Hispanic Workers, Occupational Safety and Health Hemispheric Leadership Meeting in Preparation for the 2005 World Safety and Health Congress, National Safety Council, Washington, D.C., September 2004.

C.5.2 Addressing Occupational Health Disparities in Perú

Promoviendo Calidad de Vida en las Empresas Peruanas: Diseño Estratégico del Plan de Acción, Implementación y Evaluación (Promoting Quality of Working Life among Peruvian Industries: Strategic Planning for Implementation and Evaluation) Workshop organized by Peru Department of Labor, Lima, Perú; July 4 and 11, 2015. Workshop Co-Organizer & Lead Instructor.

Universidad Peruana Cayetano Heredia, School of Public Health Distinguished Seminar Series, *Miércoles de Salud Pública*, <http://www.upch.edu.pe/faspa/index.php/es/sobre-faspa/miercoles-de-salud-publica>; "Calidad de Vida de Poblaciones Trabajadoras Vulnerables: PARTICIPACION Y EMPODERAMIENTO" (Quality of Life of Vulnerable Working Populations: Role of Participation and Empowerment), Lima, Perú; July 8, 2015.

Brunette, M.J. (2015). La Ergonomía Aplicada en el Perú: Retos y Oportunidades [Applied Ergonomics in Perú: Challenges and Opportunities]. Presenter, Department Seminar Series, Autonomous University of Ciudad Juarez Architecture & Industrial Design Department; Ciudad de Juarez, Mexico; April 21, 2015 (*session delivered in Spanish*).

Gestión Integrada de la Seguridad y Salud en el Trabajo: Conceptos y Herramientas (*An Integrative Approach to Health & Safety at Work: Concepts & Tools*). Peruvian Department of Labor; Lima-Perú, July 17, 2014; Workshop Organizer & Instructor.

- Brunette, M.J.** (2014). Promoviendo la Calidad de Vida en Empresas Peruanas: Que Sabemos y Hacia Donde Vamos? [Promoting Quality of Working Life in Industry: What do we know and where are we heading?]. Keynote presentation at the III Peruvian International Congress of Ergonomics, Lima – Perú, September 26, 2014 (*session delivered in Spanish*).
- Brunette, M.J.** (2014). Ingenieria de Factores Humanos: Salud, Productividad y Competitividad [Human Factors Engineering: Health, Productivity & Competitiveness]. Keynote presentation at the VII Industrial Engineering International Symposium, Universidad Nacional Mayor de San Marcos, Lima – Perú, July 16, 2014 (*session delivered in Spanish*).
- Brunette, M.J.** (2013). La Promoción de una Cultura de Seguridad y Salud en el Trabajo (*Promoting A Culture of Safety and Health at Work*), City of Lima Major’s Office (Lima, Perú). Co-organizer.
- Brunette, MJ** (2013). Psychosocial risk factors and worker participatory approaches as mechanisms of continuous process improvement in occupational health and safety: Challenges and opportunities for the Peruvian industrial sector; City of Lima Major’s Office, Lima - Perú, August 3rd, 2013 (*session delivered in Spanish*).
- Brunette, MJ** (2012). Que es la Ergonomia? Seminario de Actualizacion para Inspectores de Salud y Seguridad en el Trabajo). [What is Ergonomics? A refresher seminar to safety and health inspectors], Invited by the Peruvian Labor Department, Occupational Safety & Health Division, Lima, PERU; June 19, 2012 (*session delivered in Spanish*).
- Brunette, MJ** (2010). Ergonomía, Salud y Seguridad Ocupacional: Enfoque Multinivel e Interdisciplinario. Presentation at the Universidad de Lima, Industrial Engineering Department, Lima, PERU; August 23rd, 2010.
- Brunette, M.J.** (2009). Ergonomics, Safety and Health in IDCs: A Needed Multi-level Interdisciplinary Approach. Keynote presentation at the First Peruvian Ergonomics Congress, Peruvian Ergonomics Society, Lima, Peru; November 2009, (*session delivered in Spanish*).
- Salud y Seguridad Ocupacional en la Industria Peruana (Occupational Safety & Health in The Peruvian Industry), Sociedad de Medicina Ocupacional y Medio Ambiente (SOMOMA), Universidad Peruana Cayetano Heredia, Lima, Peru, July 2008; Co-organizer.
- Network of Experts in Psychosocial Hazards and Work-related Stress in Developing Countries (2008). Psychosocial Factors at Work in Developing Countries: A Roundtable Discussion, Healthy Environments, Department of Public Health and Environment, World Health Organization. Presented at Work, Stress & Health Conference, APA/NIOSH, Washington, D.C. March 2008; (**Brunette, M.J.** is member of network of experts).
- Brunette, M.J.** (2003). Calidad de Vida en Lima-Peru: Estudio Sobre la Relacion entre las Condiciones de Trabajo y la Salud y Satisfaccion del Obrero de Produccion, University of Lima Industrial Engineering Department, Lima (PERU), July 2003, (*session delivered in Spanish*).

Brunette, M.J. (2003). Women's Perceptions of their Conditions of Work in Peru: Do They Differ From Those of Men?"; University of Massachusetts-Lowell Women's Week Celebration, Lowell, Massachusetts (USA), March 2003.

D. INSTRUCTION RELATED ACTIVITY

D.1 Courses Taught/Developed at UMASS Lowell: Undergraduate Courses

PUBH 4930 Health Sciences Research I and II (3 credits); sole-taught Spring-Fall 2017, Spring 2018
HSCI 30.308 Introduction to Global Health. (3 credits); sole-taught Spring 2013, Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015; Spring 2016, Summer 2016, Fall 2016. Lead instructor.
PUBH 30.102 Introduction to Public Health. (3 credits); sole-taught Spring 2014, Fall 2017.

D.2 Courses Taught/Developed at UMASS Lowell: Graduate Courses

PUBH 5400 Occupational Safety Engineering (3 credits); sole-taught Fall 2003, Fall 2004, Fall 2006, Fall 2007, Spring 2009, Spring 2010, Spring 2011, Spring 2013, Spring 2014, Spring 2017. Developed course and content. Used the UML E-Educational Platform (Blackboard®) since Spring 2009.
PUBH 19.525 Introduction to Occupational Hygiene/Ergonomics (3 credits); co-taught Fall 2003, Fall 2004, Fall 2008, Fall 2009, Fall 2010, Fall 2012; Developed course and content. Used the UML E-Educational Platform (Blackboard®) since Fall 2008.
PUBH 19.601 Work Environment Capstone (3 credits): co-taught Fall 2004, Fall 2006, Fall 2007, Fall 2008, Fall 2008, Fall 2009, Fall 2010; Co-developed course and content.
PUBH 19.640 Macroergonomics: A comprehensive approach to Job and Organizational Design (3 credits): sole-taught Fall 2009. Developed course and content.
PUBH 19.641 Principles of Accident Causation and Prevention (3-credits); sole-taught Spring 2005; Developed course and content.
PUBH 19.723 Special Topics in Ergonomics: Safety Climate (3-credits); sole-taught Spring 2008; Developed course and content; graduate seminar course.
PUBH 19.723 Special Topics in Ergonomics: Macroergonomics: Critical Perspectives (3-credits); sole-taught Fall 2010; Developed course and content; graduate seminar course.

D.3 Courses Taught/Developed at Other Institutions (Undergraduate Courses)

University of Puerto Rico Mayaguez (UPRM) Industrial Engineering Department (1 total)

ININ 4040 Facility Layout & Design (3 credits); Teaching Assistant, Spring 1997.

University of Wisconsin-Madison Industrial & Systems Engineering Department(1 total)

IE349 Introduction to Human Factors (3 credits); Teaching Assistant, Fall 2001, Fall 2002.

University of Lima (Peru) Industrial Engineering Department (4 total)

- Calculus II (3 credits); Lecturer, Fall 1993, Spring 1994.
- Production Planning & Control (3 credits); Lecturer, Fall 1993, Spring 1994.
- Work Study/Estudio del Trabajo (4 credits); sole-taught Fall 2011; Developed course structure and content [course delivered in Spanish].
- Occupational Safety & Health/Salud y Seguridad Ocupacional (4 credits); sole-taught Fall 2011, Spring 2012; Adapted and developed course and content. Course delivered in Spanish (Fall 2011) and English (Spring 2011).

D.4 Other Activities and Accomplishments Related to the Instructional Function

University of Washington Department of Global Health, Fundamentals of Implementation Science in Global Health (August 28 – September 1st, 2017). Participant.

Teaching Global Health in the Classroom and Beyond: Student-led Public Health Campaigns as learning outcomes, <https://www.uml.edu/News/stories/2016/Public-Health-Campaigns.aspx>

Harvard University School of Public Health, Teaching by Case Method: Principles and Practice for Public Health Educators – January 25-27, 2013. Participant.

Como publicar en revistas indexadas? El ABC (*How to Publish in Scientific Journals? A Faculty Workshop*), College of Engineering, University of Lima (Perú), July 23, 2012; Workshop Organizer & Instructor.

Investigación en Ingeniería aplicada a resolver problemas actuales de la sociedad (*Addressing Current Societal Problems via Engineering Research Projects: A Showcase*). College of Engineering, University of Lima (Perú), June 29, 2012; Faculty Symposium Organizer.

Métodos de Investigación: Conceptos Fundamentales y Aplicaciones en la Ingeniería (*Scientific Research Methods: Fundamentals and Applications for Engineering Faculty*). University of Lima (Perú), October-December 2011; Faculty Development Course Organizer & Instructor.

University of Massachusetts-Lowell PSM program, Collaborating with WBGH to explore development of modules using media; Summer 2010

University of Massachusetts-Lowell Faculty Development Center, Integrating Service-Learning into an Existing Course: Learning from the Common Good; Summer 2009

University of Massachusetts-Lowell Faculty Development Center, Introduction to Web-Enhanced Teaching in Blackboard; Winter 2009

Faculty Advisor, Society of Hispanic Professionals Engineers University of Massachusetts-Lowell Student Chapter; 2008-2010

Faculty Advisor, Human Factors and Ergonomics Society University of Massachusetts-Lowell Student Chapter; 2003-2005; 2007- 2010.

Faculty Advisor, American Society of Safety Engineers University of Massachusetts-Lowell Student Chapter; 2004-2005; 2007- 2014

University of Massachusetts-Lowell Faculty Development Center, The Learning-Centered Syllabus as a Teaching Tool, Summer 2003

Authorized Trainer, Occupational Safety & Health Administration 30-hr Course in OSHA Standards for General Industry, 2003-2007

Brunette, M.J. (2002). “Occupational stress”, South Central Wisconsin Committee on Occupational Safety and Health (COSH) Annual Fall Conference, Madison, WI.

Brunette, M.J. (2002). International Community Ergonomics Principles: Promoting Corporate Responsibility in Developing Countries; University of Wisconsin-Madison Industrial Engineering Department, IE 349 guest lecturer

Brunette, M.J. (2001). “Occupational stress”, South Central Wisconsin Committee on Occupational Safety and Health (COSH) Annual Fall Conference, Madison, WI.

E. SERVICE

E.1 Participation on University Committees

E.1.1 Department Committee Activities

- Member, Department Personnel Committee, since 2015
- Chair, Master of Public Health Curricula Committee (2015)
- Member, Department of Work Environment (DWE) Administrative and Finance Committee, since 2012
- Member, DWE Master’s Review Committee, 2007-2011
- Member, DWE Recruitment & Outreach Committee, 2008-2011
- Member, Search Committee, Department of Community Health & Sustainability; 2007
- Concept developer, Paper of the Month, Department Monthly Scholarly Research Publication
- Co-Chair, Department Strategic Plan, Department of Work Environment, 2004-2005

E.1.2 School Committee Activities

- Member, Public Health Program Planning Committee, College of Health Sciences; 2012-14
- Member, Communications Taskforce, School of Health & Environment; 2006-2008
- Member, Community Engagement Committee, School of Health & Environment; since 2007

E.1.3 University Committee Activities

- Senator, UMASS Lowell Faculty Senate, 2013-2016
- Member, Institutional Review Board (IRB), UMASS Lowell, 2012-2015
- Member, International Partnerships Committee, UMASS Lowell; since 2011.
- Member, UMASS Lowell Diversity Task Force; 2007-2014
- Member, UML ADVANCE Grant Planning Team: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers, 2007-2008

E.2 Community Service Activities Related to Professional Field

- Member, Occupational Safety & Health National Committee, Peru Ministry of Labor, since 2016
- Director, World Health Organization (WHO) Collaborative Center USA 269 (UMASS Lowell Department of Work Environment); <http://www.uml.edu/Research/WHOCC/default.aspx>; Fall 2010 – Fall 2016 (*Renewal process in progress*).
- Member, National Academy of Sciences, Board on Infrastructure and the Constructed Environment, Division on Engineering and Physical Sciences, Committee to Review the NIOSH Construction Research Program; 2007 – 2008.
- Program Co-Chair, Macroergonomics Technical Group, Human Factors & Ergonomics Society (HFES) USA; 2008-2009
- Reviewer, Women in Engineering Division (WIED), American Society of Engineering Education (ASEE) USA; since 2008
- Diversity Committee, Human Factors & Ergonomics Society (HFES) USA; since 2007
- Invited lecturer, Lowell Housing Authority Youth Program “*Talking about Science & Engineering*” (Lowell, MA); 2007
- Safety Trainer, City of Lawrence Mayor’s Health Task Force, *Hispanic Workers Training: Construction Safety* (Lawrence, MA); 2006
- Member, Equity and Diversity Committee, University of Wisconsin-Madison (UW-Madison); 2001
- President, Human Factors and Ergonomics Society UW-Madison Student Chapter; 2001-2002
- Volunteer, International Conference Volunteers (ICV); Geneva, Switzerland); 1999-2000

E.3 Activities to Promote and Sustain International Partnerships & Exchanges

Director of International Partnerships with Perú, UMASS Lowell Office of the Provost, International Partnerships & Exchanges Office: *Initiated, established and sustained academic global research collaborations:*

E.3.1 Universidad Peruana Cayetano Heredia - UPCH (Lima, Perú)

Initiated a research collaboration to conduct field work for NIH R01 project using mHealth to optimize Tuberculosis diagnostics. Memorandum of Understanding (MOU) in preparation.

E.3.2 Socios en Salud/Partners in Health Perú (Lima, Perú) 2013-present

Initiated two community-based participatory research projects to a) fight against Tuberculosis (TB) and b) address maternal health; both in Carabayllo, Lima. Memorandum of Understanding (MOU) under revision.

E.3.3 Universidad Nacional de Huancavelica (Huancavelica, Perú); 2013-present

Initiated a community-based participatory research project on maternal health using mobile technologies. Memorandum of Understanding (MOU) signed on October 2013.

E.3.4 Universidad Nacional Mayor de San Marcos (Lima, Perú); 2013-present

Initiated an occupational health project to develop and design first anthropometric table for industrial workers in Perú. Memorandum of Understanding (MOU) signed on October 2013.

E.3.5 Universidad Nacional de Ingenieria (Lima, Perú); 2012-2013

Attempted to launch a research project on mobile health. Memorandum of Understanding (MOU) signed on February 2013.

E.3.6 Universidad de Lima (Lima, Perú); 2011-present

Initiated an occupational health project to promote quality of working life among industrial workers in Lima. Memorandum of Understanding (MOU) signed on June 2012.

News: <https://www.uml.edu/News/stories/2011-12/Brunette-Lima-Peru.aspx>

E.3.7 Established Partnerships at other International Institutions

Autonomous University of Barcelona, Spain; 2011-present

Memorandum of Understanding (MOU) signed on April 2011. Participated in graduate committees advising doctoral students on occupational health and safety research projects.

Updated: August 2018