

Marconi Conferences, 2012-2019

2020 Marconi at Pacifica, California

February 3-5, 2020



2020 Marconi Conference proceeding:

- Dr. Jack Callaghan, University of Waterloo, CRE-MSD, Canada: Well-being: Low Back Pain - standing and Hybrid Workstations
- Dr. Stephen Bao (co-author Dr. Jin Hua Lin), Washington State and Sharp, WA, USA Wellbeing: Blood Pressure Sit-Stand
- Dr. Bernard Martin, University of Michigan, MI, USA Well-being: Shoulder Exercises and the effects on MSK Pain
- Dr. Carisa Harris-Adamson and Federico Arippa, University of California, Berkeley, CA, USA Design and behaviors: Personal, task and organizational factors associated with work-based posture and movement among sedentary workers.

- Dr. Bernhard Schwartz, University of Vienna, Applied Sciences for Health Professions Upper Austria, Linz, Austria Examining the Influence of alternating working postures (sit/stand) on cognitive performance
- Dr. Maral Babapour Chafi, Division Design & Human Factors, Department of Industrial and Materials Science, Chalmers University of Technology, Sweden Office Design: Why some Activity-based Flexible Offices work while others do not: A comparative study of office innovations in Sweden
- Dr. Jay Kim, Oregon State University AR/VR Biomechanical Exposures in the Neck and Upper Extremities during Augmented Reality Interactions
- Dr. Dan Odell, HF Design, Google, CA, USA AR/VR: Visual and Comfort Findings with HMDs
- Ms. Arlie Stern, Ergonomics Program, Pixar Wellbeing: (Interview of her experiences)
- Mr. Guangchuan Li, UC Berkeley (co-author Dr. Yue Liu), BIT AR/VR: ISO Standards in China
- Dr. David Rempel, UCSF. Design of non-contacting hand gestures

2018 Marconi at the Athenaeum Hotel, Chautauqua N.Y.



2018 Marconi Conference Proceedings:

- Rempel - Introduction
- Peter Smith - Occupational Sitting and Standing and Heart Disease: A 12-Year Study
- Lora Cavuoto - Effect of Active Workstations on Workload, Task Performance, and Postural and Physiological Response
- Divya Srinivasan - Comparison of Sedentary Behaviors With and Without Semi-automated Position Changes
- Bethany Barone Gibbs - Chronic Low Back Pain and Sedenary Workers

- Linda Rolfo - *Design and Usability of Hot Seating and Comparison of 4 Companies on Active Seating*
- Eli Peli - *Design of Head Mounted Displays and Vision Enhancement Displays and Their Comfort*
- Kathleen Robinette - *Human Factors and the Design of AR/VR Systems*
- Sarah Coppola - *The Effects of Micro-travel Key Switches on Typing Biomechanics, Typing Performance, and User Experience*
- Carisa Harris-Adamson - *The effect of 6 mechanical gaming keyboard key switch profiles on typing and gaming performance usability and preferences*
- Ping Leap Yoh - *Median Nerve Shape Associated with Typing and Wrist Posture*
- Cristina Banks - *Expanding the Options: Alternative Ways to Measure Effectiveness (appendix)*

2017 Galveston, Texas



- Benden, Mark; *“Sedentary Behavior Research: Forget Sit vs. Stand, Focus on Static vs. Dynamic”*
- Callaghan, Jack P.; *“Sitting and Standing Goes Together Like Peas and Carrots”*
- Conway, Sarai; *“The Relationship Between Work Hours and Cardiovascular Disease”*

- Côté, Julie; *“Upper Extremity Biomechanics and Device Design: Role of Sex/Gender”*
- Dennerlein, Jack T., Lin, Michael; *“Preferred Computer Workstation Setup for Both Standing and Sitting: Solutions Vary Widely Across Users”*
- Howarth, Peter; *“Glare: Reflections on A Problem”*
- Levanon, Yafi; Gefen, A., Lerman, Y., Portnoy, S., Ratzon, N.Z.; *“Key Strike Forces and High Level of Musculoskeletal Symptom (MSS)”*
- Levanon, Yafi; *“Correlation Between Sitting Characteristics and Musculoskeletal Symptoms Among Pregnant Women”*
- MacNaughton, Piers, Allen, J., Satish, U. Spengler, J.; *“The Impact of Green Buildings on Cognitive Function”*
- Camille, Peres, Mehta, R., Ritchey, P.; *“Ergonomic Impact of Software Design”*
- Rempel, David; *“Cardiovascular Effects of Prolonged Occupational Sitting or Standing”*
- Szeto, Grace; *“Review of Neck and Upper Extremity Disorders Among Mobile Device Users”*

2015 Marigold Lodge, Holland, Michigan



- Chang, Anne-Marie; *“The Role of Light in Sleep, Circadian Rhythms and Alertness”*
- Dale, Anne Marie, Gardner, Buckner-Petty,S., Van Dillen,L., Amick,B., Evanoff, B.; *“Reliability and Validity of Self-Reported Health Related Productivity Loss Measures Compared with Objectively Measured Productivity”*
- Danielsson, Christina Bodin; *“Office Design’s Relation to Employees’ Well-being with a Focus on Sick Leave Rates”*
- John M. Flach; *“Putting Cognition to Work”*
- Krause, Niklas; *“The Long-term Cardiovascular Health Effects of Occupational Physical Activity”*
- James A. Levine; *“Get Up! Why Your Chair is Killing You and What You Can Do About It... The Science of NEAT – Non-Exercise Activity Thermogenesis”*
- Lynch-Caris, Terri, Majeske, K. *“The Effect of Task Complexity on Productivity with Seated, Standing and Walking Computer Workstations”*
- Martin,Bernard, Laeubli, T., Garcia, G., Brownie, J. *“Long Lasting Muscle Fatigue After Standing Work”*
- Rempel, David, Pereira, A., Camilleri, M., Lee, D.; *“The Design of 3D Hand Gestures for Human Computer Interaction”*
- Tudor-Locke, Catrin; *“Elevating Energy Expenditure with Workstation Alternatives”*
- Dwayne Van Eerd; *“Development and Testing of a High Engagement Office Ergonomics Training”*

2014 Austin, Texas



Marconi proceedings:

- Amick, Ben, *"Update of Office Ergonomics Systematic Review"*
- Callaghan, Jack, *"Birds Do It, Bees Do It/Standing and Sitting, We All Do It"*
- Camilleri, Matt, Rempel, D., *"Touch Interaction and Effects on Biomechanics, Performance, and Self-Evaluation"*
- John, Dinesh, *"Treadmill Workstations – Effect on Body Composition and Cardio-Metabolic Biomarkers"*
- Kim, Jay, Aulck, L., Thamsuwan, O., Bartha, M., and Johnson, P.W.; *"The Effects of Virtual Keyboard Key Sizes on Typing Productivity and Physical Exposures"*
- Pereira, A., Miller, T., Huang, Y.M., Odell, D., and Rempel, D. *"Tablets: Design Input for WellBeing"*
- Pronk, N. *"Integrated Approaches in the Workplace: Overview and Perspectives on Overall Value and Health and Economic Outcomes"*
- Van der Ploeg, Hidde. *"Health Effects of Occupational Sitting"*
- Trudeau, Matthieu. *"The Effect of Mobile Device Keyboard Designs on Thumb Biomechanics and Performance"*
- Zhao, Chaoyi. *"Equipment and Furniture Ergonomic Standards in China"*

2012 Marconi Conference at Marigold Lodge, Holland, Michigan

- Jennifer BrunoGarza. *"The Effect of Psychosocial Stress on Upper Extremity Biomechanical Loading During Computer Work (In the Real Work Environment)"*
- Camilleri, Matt, Rempel, D. *"Effects of Peripheral-Touchpad Size and Input Mapping on Performance, Posture, Discomfort, and Preference"*
- Dennerlein, Jack, Young, J., Trudeau, M. *"Tablet Computer Use and Upper Extremity Postures and Muscle Load"*
- Ellegast, Rolf, Keller, K., Groenesteijn, L., Vink, P., and Berger, H. *"The Effect of Five Office Chairs on Physical Activity, Muscle Activity, Posture, Tasks, and Comfort"*
- Ellegast, Rolf, Weber, B., Mahlberg, R., Harth, V. *"Pilot Intervention Study on Stimulating Physical Activity at Office Workplaces"*
- Huysmans, Maiike. *"Neck-shoulder and Hand-arm Symptoms: Consequences of Symptoms and Identifying Workers at Risk"*
- Ko, Peiyi. *"Effect of Font Size and Glare on Productivity, Upper Body Postures, and Symptoms during Computer Use"*
- Marklin, Rich, Saginus, K., Freier, S., Seeley, P. *"Mobile Computer Location in a Truck Cab"*
- Pronk, Nico. *"Reducing Prolonged Sitting Time in the Office with Sit-to-Stand Workstations: Impact on Health and Productivity"*

- Richter, Hans. *“Interrelationship Between Incident Eye and Neck-Scapular Area Symptoms Among Professional Computer Workers”*
- Robertson, Michelle, Ciriello, V.M., Garabet, A.M., *“Randomized Control Testing of Training and Workstation Design”*
- Trudeau, Matt VanEed, Dwayne. Cole, D., Chen, C., Hogg-Johnson, S., Wells, R., Mazumder, A. *“Longitudinal Analysis of Changes in Office Work Environments on EMG Measures”*