



XXVIIIth Annual International Occupational Ergonomics and Safety Conference

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- Sang Choi and James Borchardt

[A Design For 'X' Methodology Based On Modular Design Techniques](#)

- Anoop Sreekumar, Anil Mital, and Anoop Desai

[Automatic Sliding Door Sensor Safety Analysis](#)

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[Shelving Cart Design And Manufacturing Safety Analysis](#)

- Dennis B. Brickman, Gary J. Novak, Charles A. Fox, Jay K. Lueck, and Scott A. Karlins

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Session 02: Safety & Warnings

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[Alcohol And Young Drivers : Subjective Tension, Alertness, And Performance](#)

- Catherine Berthelon and Edith Galy

[Subjective And Objective Workload : Different Impacts On Driving Performance Due To Situation Complexity And Experience](#)

- Julie Paxion, Edith Galy, and Catherine Berthelon

[Knowledge Of Automobile Warnings](#)

- S. David Leonard and Gary Lautenschlager

[Contextual Considerations For The Development And Assessment Of Product Warnings](#)

- Raina J. Shah, Steven M. Hall, and Julia K. Diebol

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Session 03: Case Studies and Applications - II

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[Beach Rental Elevator Child Entrapment Safety Analysis](#)

- Dennis B. Brickman, Thomas J. Bajzek, Erick H. Knox, Charles A. Fox, Jay K. Lueck, and John M. Petersen

[Analysis Of An Unexpected Impact To The Crown Of The Head](#)

- Peggy Shibata, Amber Stern, Julius Roberts, and Jacob Stegeman

[Loading Thresholds For Rotator Cuff Muscles](#)

- Hossein Motabar, Esther Raub, Ashish D. Nimbarte, and Iman Nabiyouni

[Construction Fall From Height Accident Reconstruction And Safety Analysis](#)

- Erick H. Knox, Steven J. Smith, and Joseph T. Eganhouse

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Session 04: Other Topics in Ergonomics & Safety

Chair: *Sang Choi*

[Sensitivity Analysis Of Artifact Removal And Sampling Period Strategies Upon Whole-Body Vibration Measurement](#)

- George B. Page, Steve Fleming, and Greg G. Weames

[Accident/Injury Analysis Of Workers' Compensation Claims In The Oil And Gas Extraction Industry In Texas In 2010-2014](#)

- Sheik N. Imrhan and Akinola S. Akinwumi

[Comparisons Of Home Product Injuries In Three Time Periods From 1978-2014: NEISS Data](#)

- Sheik N. Imrhan

[Preliminary Findings On Stretch And Flex \(SF\) Program And Work-Related Musculoskeletal Disorders](#)

- Sang D. Choi, Sathyanarayanan Rajendran, and Kwangseog Ahn

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Chair: *Marc Bonacci*

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- Brian C. Grieser and Jared P. Frantz

[Comparison Of Floor Surface Slip Test Results From The English XL And BOT-3000E Tribometers](#)

- Brian C. Grieser and Jared P. Frantz

[Sit-Stand Unit Integration: A Method Of Evaluation](#)

- Alexander J. Mason and Laura A. Veldhuyzen

[Multidisciplinary Therapy To Improve Posture, Treat And Prevent Pain And Injury](#)

- Marc Bonacci and Brandy F. Ware

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Session 06: New and Expanding Areas of Application

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- Shengfeng Chen, Nagdev Amruthnath, and Tarun Gupta

[Ensuring OSHA Compliance Through Proactive Self-Audit](#)

- Anand Subramanian, Marc Christian, Brandy Ware, and Jeffrey Fernandez

[Using Mobile Technology To Apply Ergonomics](#)

- Murray Gibson

[Environmental Impact Assessment For Sustainable Development Of The Oil And Gas Industry In Trinidad And Tobago](#)

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[Ergonomic Risk Factor Assessment And Mitigation For Employees At A University Gym](#)

- Daniela Barragan, Samuel S. Monfort, Shane P. Kelly, and Marc Christian

[An Epidemiological Study Of Low Back Pain Among Thai School Teachers In Nakhon Sawan Province](#)

- Chuliporn Sopajareeya, Chompunut Sopajaree, Gabriel Ibarra-Mejia, and Sakonporn Sopajaree

[Chronic Low Back Pain Among High School Teachers In The Central Region Of Thailand](#)

- Chuliporn Sopajareeya, Sakonporn Sopajaree, Chompunut Sopajaree, and Gabriel Ibarra-Mejia

[Ergonomic Risk Reduction And Labor Savings Involved With Manual Material Handling Reduction: A Case Study](#)

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