

BRIEF CURRICULUM VITAE

In-Ju Kim, PhD

Academic Qualifications

1. PhD: Majored in Ergonomics, Biomechanics, and Safety Engineering
Faculty of Health Sciences, University of Sydney, Sydney, Australia
2. MSc (transferred to a PhD Course at the University of Sydney): Majored in Ergonomics, Biomechanics, and Safety Engineering
School of Risk and Safety Sciences, Faculty of Science, University of New South Wales, Sydney, Australia
3. MBA: Double Majored in 1) Industrial Engineering (Ergonomics and Human Factors Engineering) and 2) Management Information System, Graduate School of Business Administration, Dan-Kook University, Seoul, Korea
4. Teacher's License for Engineering Education, Ministry of Education, Seoul, Korea
5. B. Eng. in Industrial Engineering, University of Ulsan, Ulsan, Korea

Employment History

- 09/2016 - Present: Assistant Professor
Department of Industrial Engineering and Engineering Management
College of Engineering, University of Sharjah, Sharjah, United Arab Emirates
- 11/2013 - Present: Invited Industry Consultant, Expert Connect, Austin, TX, USA
- 09/2015 - 08/2016: Assistant Professor
Department of Industrial Engineering, College of Engineering, King Saud University,
Riyadh, Saudi Arabia
- 02/2013 - 08/2015: Assistant Professor
Department of Physical Therapy, College of Applied Medical Sciences, University of
Dammam, Saudi Arabia
- 08/2011 - 02/2013: Industry Consultant, Safety Research and Solutions, Australia
- 07/2009 - 07/2011: Senior Research Fellow, Division of Safety Research, National Institute for Occupational
Safety and Health, USA
- 07/2008 - 06/2009: Adjunct Research Fellow
Centre for Visual Science, Research School of Biological Sciences, Australian National
University, Australia
- 08/2007 - 06/2009: Consultant, Safety Research and Solutions, Australia
- 08/2005 - 12/2007: Industry Consultant, Healthcare Council, Gerson Lehman Group, USA
- 01/2003 - 08/2005: Research Fellow and Lecturer, School of Sport and Health Sciences, University of Exeter,
UK
- 08/2002 - 12/2002: Casual Teaching Staff, Faculty of Health Sciences, University of Sydney, Australia
- 07/2001 - 12/2002: Research Associate, Faculty of Health Sciences, University of Sydney, Australia

Teaching Experience

- Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
 - 1) Postgraduate Course:
 - * Special Topics in Construction Management (Applied Ergonomics)
 - 2) Undergraduate Course:
 - * Design for the Environment & Safety Engineering
 - * Ergonomics & Work and Process Improvement and Labs
 - * Human Factors & Ergonomics
- Department of Physical Therapy, University of Dammam, Saudi Arabia
 - 1) Postgraduate Course:
 - * Sports Biomechanics and Sports Engineering (Foundation in Sports Physical Therapy)
 - * Motion Analysis (Objective Measurements in Musculoskeletal Physical Therapy)
 - 2) Undergraduate Course:
 - * Biomechanics and Biomechanics Labs
 - * Kinesiology and Kinesiology Labs
- School of Sport and Health Sciences, University of Exeter, UK
 - * Postgraduate Course: Sport injury biomechanics (I &II) (course-coordinating)

- * Undergraduate Course: Kinesiology and Biomechanics & Labs
- School of Exercise and Sport Science, University of Sydney, Australia
 - 1) Undergraduate Course: Ergonomics, Biomechanics, Kinesiology, Functional Anatomy
- Department of Industrial Engineering, Dankook University, Korea
 - 1) Undergraduate Course: Human Factors Engineering, Ergonomics

Supervising Experience

- 1) Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates:
 - Master Students' Thesis (Fall 2017 - Present):
 - a) Mohammad Abdallah Twalib: "Safety Culture Promotion to Achieve Best Practices in the Power Distribution Industry".
 - b) Ahmad Issa Ahmad Al Hosani: "Age-friendly Design Innovations for the Urban Environments in Sharjah". (Fall 2017 – Spring 2018)
 - Senior Design Projects for the Undergraduate Students (Fall 2017 – Spring 2018):
 - a) Marwa Hussain Almaazmi, Omnia Magdy Farouk, Marwah Abdo Hasan Ali, and Reem Abdalla Alowaid: "Safety Investigation of House Fire in Dubai and Sharjah Regions".
 - b) Mohammad Ibrahim Aleiadeh, Ayham Majed Al Madi, Shaban Rami Abdel Gawad, and Zaharia Mohammad Mahmoud: "Risk Management Solutions for the Effective Operation of a Hospital Emergency Room".
 - c) Mohammed N. Abu-Tahoun, Ammar Hassan Merie, Khalid Nasser Aldossary, and AbdulAala AbdulKarim Al Ashour: "Functional Improvements of A Dentist Chair -Ergonomic Approaches".
 - Senior Design Projects for the undergraduate students (Fall 2016 – Spring 2017):
 - a) Noor Mohamad ElSayed, Shima Ebrahim Faghihi, and Nadin H. A. Alustath: "Ergonomic Assessments of Musculoskeletal Disorders Amongst the Water Delivery Workers".
 - b) Atheer Salih Saad, Hisham A. H. Aldalis, Fouad Bashar Al-Alami: "Ergonomic Design Improvement for the Public Squatting-type Toilet System".
 - c) Anas Maher Azmeh, Ahmad Mahmoud Alsheikh, and Ali Mahdi A. Alsanad: "An Investigation of Crane Safety in Construction Industry: A Case Study".
- 2) School of Sport and Health Sciences, University of Exeter, UK.
 - PhD Students' Thesi:
 - a) Mark Creaby, PhD: "External frontal plane loads and tibia stress fracture" (2005).
 - b) Victoria Stiles, PhD: "Human response to changes in surface cushioning properties" (2004).

Examiner for Student Research

1. Spring Semester 2018: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
 - 1) Master Students' Thesis:
 - Fatima Abdulaziz Alsharif: "Factors Affecting Red Light Violations in the Dubai City".
 - Ahmed Ali Amin Mohamed Alnemer: "Initiating SMS in a Food Industry Company".
 - 2) Senior Design Project II for the Undergraduate Students:
 - Fatigue of Taxi Drivers in Sharjah: Alya Ali Abdelrahman Alsuwaidi, Aisha Mohamed Bushlaibi, Eman Obaid Alkaabi, and Maitha Saif Ibrahim Alsuwaidi
 - Auditing Innovation Management in Sharjah International Airport: Laith Hasan Alsharawneh, Ahmed Redwan Krikr, Ahmed Wael Elsayyid Aldakrouri, and Rami Oussama Alkabbani.
 - Designing optimized shift systems in industrial settings: Noura Salim Alteneiji, Alya Faisal Alsuwaidi, Maitha Hassan Alkhamiri, and Khadija Mohammed Al Tamimy.
 - A comparison study on the application of EWMA chart for monitoring bending process in a metal cutting industry: Alaa Mohammed Al Assaf, Ahmed Mahmoud Bahr, Osama Abdul Naser Mansour, and Abdullah Kamal Badawy.
 - Capacity Expansion and Productivity Improvement in a Metal Products Factory: Batool Mohamed Alamsi, Alreem Mohamed Alkhaaldi, Marah M. I. Kassab, and Norhan Khaled Aly.
2. Fall Semester 2017: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
 - 3) Master Students' Thesis:
 - Khadija Hammadi: "Emergency Communication Management: A Study of Early Warning System in UAE".
 - Fatima Mohamed: "Cue and occupant based factors to identify people's behavior in case of fire emergency".

- 4) Senior Design Project I for the Undergraduate Students :
 - Database project management application for a construction company: Eman Bader Jany, Atefah Mohammad Mortazavi, Sarah Ali AlNuaimi, and Asmaa Ibrahim Elghalban
 - Assessment of attitudes towards safety in high-risk industries using the Theory of Planned Behaviour; Aviation as a case study: Abdul Rahman Kamal Al Ghadban, Ali Mohamed Alshamsi, Suood Adel Abdulrahim, and Abdalla Sultan Alshamsi
 - Designing optimized shift systems in industrial settings: Noura Salim Alteneiji, Alya Faisal Alsuwaidi, Maitha Hassan Alkhamiri, and Khadija Mohammed Al Tamimy
 - Design of stakeholders management framework for engineering projects in UAE: Firas Mohd Al Hamwi, Abdulaziz Saleh Abu Alfaraj, Abdulrahman M. Shabani, and Abdullah Burhan Al-Sammarraie
 - Fatigue of Taxi Drivers in Sharjah: Alya Ali Abdelrahman Alsuwaidi, Aisha Mohamed Bushlaibi, Eman Obaid Alkaabi, and Maitha Saif Ibrahim Alsuwaidi
3. Spring Semester 2017: Department of Industrial Engineering and Engineering Management, University of Sharjah, Sharjah, United Arab Emirates
 - 1) Master Students' Thesis:
 - Khadija Hammadi: "Emergency Communication Management: A Study of Early Warning System in UAE".
 - Fatima Mohamed: "People's behaviour in case of fire emergency".
 - 2) Senior Design Project I for the Undergraduate Students :
 - Database project management application for a construction company: Eman Bader Jany, Atefah Mohammad Mortazavi, Sarah Ali AlNuaimi, and Asmaa Ibrahim Elghalban
 - Assessment of attitudes towards safety in high-risk industries using the Theory of Planned Behaviour; Aviation as a case study: AbdulRahman Kamal AlGhadban, Ali Mohamed Alshamsi, Suood Adel Abdulrahim, and Abdalla Sultan Alshamsi
 - Designing optimized shift systems in industrial settings: Noura Salim Alteneiji, Alya Faisal Alsuwaidi, Maitha Hassan Alkhamiri, and Khadija Mohammed Al Tamimy
 - Design of stakeholders management framework for engineering projects in UAE: Firas Mohd Al Hamwi, Abdulaziz Saleh Abu Alfaraj, Abdulrahman M. Shabani, and Abdullah Burhan Al-Sammarraie
 - Fatigue of Taxi Drivers in Sharjah: Alya Ali Abdelrahman Alsuwaidi, Aisha Mohamed Bushlaibi, Eman Obaid Alkaabi, and Maitha Saif Ibrahim Alsuwaidi

Editorial Board for Academic Journals, Publications and International Conferences

Editor and Editorial Board for Academic Journal, Book and International Conference:

- 1) Editorial Board: Advances in Mechanical Engineering (USA): Pending
- 2) Editorial Advisory Board: Cambridge Scholars Publishing (UK): Dec. 2017 - Present
- 3) Associate Editorial: The Ergonomics Open Journal (UAE): Dec. 2017 - Present
- 4) Editor-in-Chief: Journal of Ergonomics (USA): Jan. 2017 - Present
- 5) Editor: Open Journal of Safety Science and Technology (China): July 2016 - Present
- 6) Chief Editor: Injury Prevention and Rehabilitation Research, Frontiers, Lausanne, Switzerland: July 2014 - Present
- 7) Editor: Journal of Ergonomics. CA, USA: Jan. 2014 - Dec. 2016
- 8) Invited Editor: 3rd Annual International Conference on Industrial, Systems and Design Engineering, 22-25 June 2015, Athens, Greece.
- 9) Scientific and Organizing Committee: 12th Annual International Conference on Kinesiology and Exercise Sciences, 25-28 July 2016, Athens, Greece.
- 10) Scientific and Organizing Committee: 4th Annual International Conference on Industrial, Systems and Design Engineering, 20-23 June 2016, Athens, Greece.

Reviewer for Academic Journals

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| • Accident Analysis & Prevention | • Ergonomics |
| • Applied Ergonomics | • Journal of Ergonomics |
| • ASTM Special Technical Publication (STP) | • International Journal of Industrial Ergonomics |
| • Cogent Engineering | • Injury Prevention (British Medical Journal Group) |
| • Construction & Building Materials | |

- International Journal of Ergonomics
- International Journal of Injury Control and Safety Promotion
- International Journal of Occupational and Environmental Health
- International Journal of Occupational Safety and Health
- Industry Health
- Journal of Testing and Evaluation, ASTM
- Materials Performance and Characterization, ASTM
- Safety and Health at Work
- Safety Science
- The Journal of Engineering Research
- Tribology International

Selected Grant and Project Acquisition (Since 2017)

➤ Research Projects:

- 1) May 2018: Kunooz Year of Zayed Award (Research Category) (*In review*)
 Project Title: Building Safer and Healthier Walking Environments in the United Arab Emirates: Prevention of Public Fall Incidents
 Role: Principal Investigator
 Grant Body: Abu Dhabi University
- 2) Apr. 2018: Future X Research (*In review*)
 Project Title: Development of new walkway materials with enhanced slip resistance properties
 Role: Principal Investigator
 Grant Body: Dubai Municipal, United Arab Emirates
- 3) Jan. 2018: Targeted Research Project Grant (*In review*)
 Project Title: Multidisciplinary Approaches for the Prevention of Fall Incidents in the Community-Dwelling Elderly People of the United Arab Emirates
 Role: Principal Investigator
 Grant Body: University of Sharjah
 Amount: 200,000 AED
- 4) Oct. 2017: Competitive Research Project Grant - Awarded (Grant No.: 1702040573-P)
 Project Title: Nanotechnology Application for the Improvements of Pedestrian Walkway Slip Resistance Performance
 Role: Principal Investigator
 Grant Body: University of Sharjah
 Amount: 80,000 AED
- 5) Sept. 2017: Equipment Grant - Awarded
 Project Title: Joint movement analysis and measurements of EMG signals and force data under real-time conditions
 Role: Principal Investigator
 Grant Body: University of Sharjah
 Amount: 63,000 AED
- 6) Apr. 2017: Seed Research Project Grant - Awarded (Grant No.: 1702040565-P)
 Project Title: Identifying Pedestrian Fall Incidence and Its Safety and Health Impacts in the United Arab Emirate: A Pilot study
 Role: Principal Investigator
 Grant Body: University of Sharjah
 Amount: 40,000 AED

List of Publications

Books and Book Chapters

1. Kim, I.J., 2018, "Walkway Design Solutions for Safer Slip Resistance Performance", Human Factors Approach to Understanding and Reducing the Risk of Falls, Taylor & Francis/CRC, 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487, U.S.A. Chapter 33. (*Accepted*)
2. Kim, I.J., 2018, "The Sine-Qua-Non for Slip Resistance Assessments of Footwear", Human Factors Approach to Understanding and Reducing the Risk of Falls, Taylor & Francis/CRC, 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487, U.S.A., Chapter 32. (*Accepted*)
3. Kim, I.J., 2017, "Pedestrian Fall Safety Assessments: Improved Understanding on Slip Resistance Measurements and Investigations", Springer International Publishing AG., Switzerland. ISBN: 978-3-319-56241-4. (<http://www.springer.com/gp/book/9783319562414>)
4. Kim, I.J., 2015, "Slip-Resistance Measurements for Assessing Pedestrian Falls: Facts and Fallacies", *Accidental Falls: Risk Factors, Prevention Strategies and Long-Term Outcomes*, Nova Science Publishers, Inc., Hauppauge, NY 11788, USA. Chapter 6, 105-125.

5. Kim, I.J., 2015, "Practical Design Search for Optimal Floor Surface Finishes to Prevent Fall Incidents", *Accidental Falls: Risk Factors, Prevention Strategies and Long-Term Outcomes*, Nova Science Publishers, Inc., Hauppauge, NY 11788, USA. Chapter 5, 80-103.
6. Kim, I.J., 2006, "A new paradigm for characterizing slip resistance properties", *International Encyclopedia of Ergonomics and Human Factors-2005*, Karwowski, W. (Ed.), 2nd Ed., Taylor & Francis Group/CRC Press, LLC, FL., USA, Chapter 530, 2735-2740.
7. Kim, I.J., 2006, "The current hiatus in fall safety measures", *International Encyclopedia of Ergonomics and Human Factors-2005*, Karwowski, W. (Ed.), 2nd Ed., Taylor & Francis Group/CRC Press, LLC, FL, USA, Chapter 498, 2572-2576.
8. Chang, W.R., Kim, I.J., Manning, D. P., and Bunternghit, Y., 2003, The role of surface roughness in the measurement of slipperiness, *Measuring Slipperiness - Human Locomotion and Surface Factors*, Taylor & Francis/CRC Press, London, Chapter 5, 101-117.

Journals

1. Kim, I.J., 2018, "Hospital Flooring Safety and Health Controls: Knowledge Gaps and Suggestions", *Safety Science. (In review)*
2. Kim, I.J., 2018. "Understanding Friction and Wear Behaviours of Smooth Resilient Surfaces: Application for Pedestrian Fall Safety Improvements", *Advances in Materials Science and Engineering. (In review)*
3. Houshyar E. and Kim, I.J., 2018, "Understanding Musculoskeletal Disorders among Iranian Apple Harvesting Laborers: Ergonomic and Stop Watch Time Studies", *International Journal of Industrial Ergonomics*. Vol. 67, 32-40.
4. Kim, I.J., 2018. "Ergonomic Intrusions for the Aging Industry and Workforce", *Journal of Ergonomics*. Vol. 8, Issue 2, DOI: 10.4172/2165-7556.1000e179.
5. Kim, I.J., 2018, "Investigation of Floor Surface Finishes for Optimal Slip Resistance Performance", *Safety and Health at Work*. Vol. 9, Issue 1, 17-24.
6. Kim, I.J., 2018. "Ergonomic Inputs for the Improvement of Safety and Health Exercises in the Mining Industry", *Journal of Ergonomics*. Vol. 8, Issue 1, DOI: 10.4172/2165-7556.1000e177.
7. Kim, I.J., 2018, "Investigation and interpretation of flooring wear developments for pedestrian fall safety assessments", *Tribology Transactions*. Vol. 61, Issue 1, 168-177.
8. Kim, I.J., 2017. "Ergonomic Endeavours to Enhancing Safety and Health in the Transportation Industry", *Journal of Ergonomics*. Vol. 7, Issue S6, DOI: 10.4172/2165-7556.1000.S6-e003.
9. Kim, I.J., 2017. "The Function of Ergonomics in Lean Manufacturing Design and Control", *Journal of Ergonomics*. Vol. 7, Issue 5, doi: 10.4172/2165-7556.1000e172.
10. Kim, I.J., 2017, "Ergonomic Explorations for the Safety and Health Improvement in Hospital and Healthcare Professions", *Journal of Ergonomics*, Vol. 7, Issue 3, DOI: 10.4172/2165-7556.1000e167.
11. Kim, I.J., 2017 "The Role of Ergonomics for Construction Industry Safety and Health Improvements", *Journal of Ergonomics*. Vol. 7, Issue 2, DOI: 10.4172/2165-7556.1000e166.
12. Kim, I.J., 2016 "Workplace Violence and Ergonomic Concerns", *Journal of Ergonomics*. Vol. 6, Issue 5, DOI: 10.4172/2165-7556.1000e161.
13. Kim, I.J., 2016 "Ergonomic Challenges for Nanotechnology Safety and Health Practices", *Journal of Ergonomics*. Vol. 6, Issue 5, doi: 10.4172/2165-7556.1000e159.
14. Kim, I.J., 2016 "Cognitive Ergonomics and Its Role for Industry Safety Enhancements", *Journal of Ergonomics*. Vol. 6, Issue 4, doi: 10.4172/2165-7556.1000e158.
15. Kim, I.J., 2016 "Ergonomic Involvement for Occupational Safety and Health Improvements in the Oil and Gas Industry", *Journal of Ergonomics*. Vol. 6, Issue 3. doi: 10.4172/2165-7556.1000e154.
16. Kim, I.J., 2016 "Accidents and Accident Prevention in the Agricultural Industry: Ergonomic Engagement", *Journal of Ergonomics*. Vol. 6, Issue 3. doi: 10.4172/2165-7556.1000e153.
17. Kim, I.J., 2016 "Identifying shoe wear mechanisms and associated tribological characteristics: The importance for slip resistance evaluation", *Wear*. Vol. 360-361, 77-86.
18. Kim, I.J., 2016 "Ergonomic Approaches for the Improvement of Sport Injury Analysis and Prevention", *Journal of Ergonomics*. Vol. 6, Issue 2. doi: 10.4172/2165-7556.1000e151.
19. Kim, I.J., 2016 "Safety and Health Practices in Food Industry and Ergonomic Interventions", *Journal of Ergonomics*. Vol. 6, Issue 1. doi: 10.4172/2165-7556.1000e146.
20. Kim, I.J., 2016, "A study on wear development of floor surfaces: Impact on pedestrian walkway slip-resistance performance", *Tribology International*. 95: 316-323.
21. Kim, I.J., 2015 "Research Challenges on Slip-Resistance Measurements for Assessing Pedestrian Fall Incidents", *Journal of Ergonomics*. Vol. 5, Issue 3. doi: 10.4172/2165-7556.1000e142.
22. Kim, I.J., 2015 "Knowledge Gaps and Research Challenges in the Contemporary Ergonomics", *Journal of Ergonomics*. March: doi: 10.4172/2165-7556.1000e134.

23. Kim, I.J., 2015, "Musculoskeletal Disorders and Ergonomic Interventions", *Journal of Ergonomics*. January: doi: 10.4172/2165-7556.S4-e002.
24. Kim, I.J., 2015, "Wear Observation of Shoe Surfaces: Application for Slip and Fall Safety Assessments", *Tribology Transactions*. Vol. 58, No. 3, 407-417.
25. Kim, I.J., 2014, "Ergonomics in Healthcare and Patient Safety", *Journal of Ergonomics*. November: doi: 10.4172/2165-7556.1000e126.
26. Kim, I.J., 2014, "Ergonomics and Musculoskeletal Disorders", *Journal of Ergonomics*. June: doi: 10.4172/2165-7556.S4-e001.
27. Kim, I.J., 2014, "The Current Trends in Ergonomics", *Journal of Ergonomics*. May: doi: 10.4172/2165-7556.1000e122.
28. Simeonov P., Hsiao H., Powers J., Kim I.J., Kau T.Y., Weaver D., 2013, "Research to improve extension ladder angular positioning", *Applied Ergonomics*. May; Vol. 44, Issue 3, 496-502.
29. Kim, I.J. and Alduhishy, A., 2013, "Experimental evidences of floor wear and its applications for slip and fall safety evaluation", *Proceedings of the International Conference on Fall Prevention and Protection*, Oct. 23-25, Tokyo, Japan, 99-104.
30. Kim, I.J., Hsiao, H. and Simeonov, P., 2013, "Functional levels of floor surface roughness for the prevention of slips and falls: Clean-and-dry and soapsuds-covered wet surfaces", *Applied Ergonomics*. Vol. 44, Issue 1, 58-64.
31. Simeonov, P., Hsiao, H., Kim, I.J., Powers, J. and Kau, T., 2012, "Factors affecting extension ladder angular positioning", *Human Factors*, Vol. 54, No. 3, 334-345.
32. Kim, I.J. and Nagata, H., 2008, "Research on Slip Resistance Measurements - A New Challenge", *Industrial Health*, Vol. 46, No. 1, 66-76.
33. Kim, I.J. and Nagata, H., 2008, "Nature of the shoe wear: Its uniqueness, complexity and effects on slip resistance properties", *Contemporary Ergonomics 2008*, Taylor & Francis, 15, 728-734.
34. Nagata, H., Kato, M., Watanabe, H., Inoue, Y., and Kim, I.J., 2008, "A preliminary study on slip potentials of stepping barefoot on slippery floors", *Contemporary Ergonomics 2008*, Taylor & Francis, 15, 710-716.
35. Kim, I.J., 2005, "A new understanding on the shoe wear mechanism and its significance on slip resistance property", *Contemporary Ergonomics 2005*, Taylor & Francis, 503-508.
36. Kim, I.J., 2005, "Combined effects of friction and wear behaviors on fall safety measures", *Contemporary Ergonomics 2005*, Taylor & Francis, 498-502.
37. Kim, I.J., 2004, "Development of a new analyzing model for quantifying pedestrian slip resistance characteristics: Part II - Experiments and validations", *International Journal of Industrial Ergonomics*, Vol. 33, No. 5, 403-414.
38. Kim, I.J., 2004, "Development of a new analyzing model for quantifying pedestrian slip resistance characteristics: Part I - Basic concepts and theories", *International Journal of Industrial Ergonomics*, Vol. 33, No. 5, 395-401.
39. Kim, I.J. and Smith R., 2003, A critical analysis of the relationship between shoe-floor wear and pedestrian/walkway slip resistance, *Metrology of Pedestrian Locomotion and Slip Resistance*, ASTM STP 1424, ASTM International, 33-48.
40. Kim, I.J., 2002, "A New Strategic Study for the Improvement of Public Liability on Pedestrian Slipping Accidents", *Journal of the Korean Association of Science and Technology in Australia*, Vol. 4, 12-18.
41. Kim, I.J., 2002, "Slipping and Falling Accidents: Analysis and Problems", *Journal of the Korean Association of Science and Technology in Australia*, Vol. 4, 19-24.
42. Chang, W.R., Kim, I.J., Manning, D. P., and Bunterngchit, Y., 2001, "The role of surface roughness in the measurement of slipperiness", *Ergonomics*, Vol. 44, No. 13, 1200-1216.
43. Kim, I.J., Smith R. and Nagata, H., 2001, "Microscopic observations of the progressive wear on the shoe surfaces that affect the slip resistance characteristics", *International Journal of Industrial Ergonomics*, Vol. 28, No. 1, 17-29.
44. Kim, I.J., 2000, "Wear Progression of Shoe Heels during Slip Resistance Measurements", *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, July. 44: 498-501.
45. Kim, I.J. and Smith R., 2000, "Observation of the floor surface topography changes in pedestrian slip resistance measurements", *International Journal of Industrial Ergonomics*, Vol. 26, No. 6, 581-601.

Conferences

1. Kim, I.J., 2014, "Practical design searches on floor finishes for optimal slip resistance performance under highly slippery environments", *International Summit on Industrial Engineering*, Dec 08-10, San Francisco, USA.
2. Alduhishy, A. and Kim, I.J., 2013, "Cardiorespiratory fitness: A strong predictor of insulin resistance among high-risk patients developing type 2 diabetes (T2D) in Saudi Arabia", *ACSM's 61st Annual Meeting*, May 27 - 31, 2014, Orlando, Florida, USA. *CD-Rom*.

3. Simeonov, P., Hsiao, H., Kim, I.J., Powers, J. and Kau, T, 2011, "Innovation in extension ladder angular positioning", *Fifth National Occupational Injury Research Symposium (NOIRS)*, National Safety Council, Oct. 18 - 20, Morgantown, WV, USA. *CD-Rom*.
4. Kim, I.J. and Nagata, H., 2011, "Three-dimensional quantifications for slip resistance properties of the shoe surfaces", *International Conference on Slips, Trips, and Falls 2011*, IEA Technical Committee on Slips Trips and Falls, April, Health and Safety Laboratory (HSL), Buxton, United Kingdom, *CD-Rom*.
5. Kim, J.S., Kim, I.J. and Bang, C.H., 2010, "A Comparison of Slip Resistance between the Grinded Outsoles and New Ones for Fire Fighter's Shoes", *1st International Conference on Accident Prevention*, October 20-22, Busan, Korea, 213-218.
6. Simeonov, P., Hsiao, H., Powers, J., Kim, I.J., Amendola, A.A., Ammons, D., Cantis, D., Weaver, D., 2010. "Effectiveness of extension ladder safety innovations", *Annual Fatality Assessment and Control Evaluation (FACE) Projects Meeting*, National Institute for Occupational Safety and Health (NIOSH), October 19-21, Morgantown, WV, USA.
7. Kim, I.J., Nagata, H., Hsiao, H. and Simeonov, P., Chiou, S. and Kim, J.S., 2010, "Issues of wear and tear on the shoe surfaces and their significant effects on slip resistance performances", *International Conference on Fall Prevention and Protection (ICFPP) 2010*, May 19-20, Morgantown, WV, USA. *CD-Rom*.
8. Kim, I.J. and Nagata, H., 2009, "Observation of frictional forces and heel strike angles and their effects on slip resistance performances", *17th World Congress on Ergonomics*, International Ergonomics Association, August 9-14, Beijing, P. R. China. (1SL0014).
9. Kim, I.J. and Nagata, H., 2009, "A functional analysis of slip resistance properties of the floor surfaces", *17th World Congress on Ergonomics*, International Ergonomics Association, August 9-14, Beijing, P. R. China. (1SL0015).
10. Nagata, H., Watanabe, H., Inoue, Y. and Kim, I.J., 2009, "Development of a slip-resistance meter for evaluating fall risk on slippery floors covered with soapsuds", *17th World Congress on Ergonomics*, International Ergonomics Association, August 9-14, Beijing, P. R. China. (2SL0019).
11. Nagata, H., Watanabe, H., Inoue, Y. and Kim, I.J., 2009, "Fall risks and validities of various methods to measure frictional properties of slippery floors covered with soapsuds", *17th World Congress on Ergonomics*, International Ergonomics Association, August 9-14, Beijing, P. R. China. (2SL0018).
12. Kim, I.J., 2008 "Are the rougher floors always required for the prevention of slips and falls?", *3rd Australian and New Zealand Falls Prevention (ANZFP) Conference*, 12-14 October, Melbourne, Australia, 65.-66.
13. Kim, I.J. and Nagata, H., 2008, "Environmental aspects of the footwear and their effects on the prevention of slips and falls", *3rd Australian and New Zealand Falls Prevention (ANZFP) Conference*, 12-14 October, Melbourne, Australia, 65.
14. Nagata, H., Watanabe, H., Inoue, Y. and Kim, I.J., 2008, "Frictional values measured by various methods and their validities as an index of fall risks", *3rd Australian and New Zealand Falls Prevention (ANZFP) Conference*, 12-14 October, Melbourne, Australia, 50.
15. Kim, I.J. and Nagata, H., 2008, "Nature of the shoe wear: Its uniqueness, complexity and effects on slip resistance properties", *International Conference on Contemporary Ergonomics (CE2008)*, the Ergonomics Society, Nottingham, United Kingdom, 1-3 April, *CD-Rom*.
16. Nagata, H., Kato, M., Watanabe, H., Inoue, Y., and Kim, I.J., 2008, "A preliminary study on slip potentials of stepping barefoot on slippery floors", *International Conference on Contemporary Ergonomics (CE2008)*, the Ergonomics Society, Nottingham, United Kingdom, 1-3 April, *CD-Rom*.
17. Kim, I.J., 2007, "A new concept for the measurement of slip resistance properties", *International Conference on Slips, Trips, and Falls 2007: From Research to Practice*, International Ergonomics Association, Liberty Mutual Research Institute for Safety, 23 - 24 August, Hopkinton, MA, USA, 173-177.
18. Kim, I.J. and Nagata, H., 2007, "Effective roughness levels of the floor surface for the reduction of slips and falls accident", *International Conference on Slips, Trips, and Falls 2007: From Research to Practice*, International Ergonomics Association, Liberty Mutual Research Institute for Safety, 23-24 August, Hopkinton, MA, USA, 168-172.
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