

# **International Workshop** **on Industrial Safety and Engineering 2024**

It is a great pleasure to extend a warm welcome to safety engineering researchers to attend I-WISE 2024 (International Workshop on Industrial Safety Engineering 2024).

This workshop will allow you to explore the latest safety issues in Korea and Japan. Both academic and industrial safety engineering practitioners will have the opportunity to present their works and exchange research ideas with colleagues from both countries.

I-WISE 2024 will be held at Pukyong National University located in Busan. Lonely Planet (International travel information provider) has listed Busan as the top must-visit travel destination in Asia in 2018.



We invite you to present your best work at this workshop in fruitful discussions with promising researchers and get feedback in your work. We look forward to welcoming you to I-WISE 2024 in Busan.

# Conference Schedule

## Program at a Glance (Sep. 26, 2024)

WISE 2024 Technical Program (Sep. 26, 2024)	
14:00-14:10	Opening Ceremony
14:10~14:35	Effects of static postural loading on the performance of short-term/working memory tasks Minseok Son Department of Safety Engineering, Chungbuk National University, Cheongju, Republic of Korea
14:35~15:00	Recent Explosion Protection in Japan Teruhito Otsuka Chemical Safety, National Institute of Occupational Safety and Health, Japan
15:00~15:25	Intelligent Enhancement in Design for Safety: A Two-way Approach Using Deep Learning and Multimodal Recommendation Jaewook Jeong Department of Safety Engineering, Seoul National University of Science and Technology, Seoul, Republic of Korea
15:25~15:50	Impact Simulation of Occupational Falls from low Heights with Human Models of THUMS(Total Human Model for Safety) Haeyoung Kim Construction Safety, National Institute of Occupational Safety and Health, Japan
Coffee Break	
(15:50~16:00)	
16:00~16:25	Electrostatic risk assessment in fire and explosion hazard atmosphere Jung Hwan Byeon Department of Occupational Safety Research, Occupational Safety and Health Institute, Ulsan, Republic of Korea
16:25~16:50	Research on fires caused by static electricity during handling of flammable liquids Yuta Endo Electrical Safety, National Institute of Occupational Safety and Health, Japan
16:50~17:15	Application of VR/AR Technology in Safety Education: Enhancing Construction Workers' Risk Perception Jieun Lee Department of Safety Engineering, Pukyong National University, Busan, Republic of Korea
17:15~17:40	Do age and mental fatigue affect physical performance? Natsuko Wasaki Risk Management, National Institute of Occupational Safety and Health, Japan

## Program at a Glance (Sep. 27, 2024)

WISE 2024 Technical Program (Sep. 27, 2024)	
09:30-11:00	Panel session – The future of Safety engineering for the sustainable development
11:10~13:30	University tour program – Pukyong National Univeristy
14:00~16:00	Lab. tour program – Department of Safety Engineering, Pukyong National Univeristy

### KEY Information

Venue Place: <https://maps.app.goo.gl/ZjmUmKRwqi2b8jue8>

Somin-Hall, Milaegwan, Pukyong National University, Busan, Rep. of Korea

Hosted by: Pukyong National University, Rep. of Korea

---