

New Challenges for the Workplace Environment Measurement and Control

SYMPOSIUM

There have been many changes in life and work related to COVID-19. In particular, "Non-contact or contactless" is increasing, and the demand for the new types of work environment measurement and control of workplaces is increasing. Accordingly, society is demanding occupational health experts to prepare various types of work environment measurement and management measures that can complement the existing system. This symposia will be a place to discuss how to supplement the current work environment measurement and management method through examples of various occupational health activities with new changes, and social responsibilities that occupational health experts should do in the near future from various perspectives.

Exploring the New Legal Exposure Assessment Method using RTDS

Kwonchul Ha (Changwon National University, Korea, Republic of)

New approaches to control chemical exposures in workplaces in the era of post Corona

Wook Kim (KOSHA, Korea, Republic of)

Workplace Environment Control using Smart Sensor

Seunghon Ham (Gachon University Gil Medical Center, Korea, Republic of)

MODERATOR



Seunghon Ham

Seunghon Ham is an assistant professor in the Department of Occupational and Environmental Medicine at Gachon University from 2017. He got bachelor degree from Seoul National University of Science and Technology and University of Northumbria at Newcastle, U.K.. about Manufacturing system and Design engineering(Robotics). Also, he got MPH and Ph.D. as a major of industrial hygiene at the Department of Environment Health at Seoul National University. His major research area included exposure assessment at the workplace and indoor environment covering wide range of hazardous agents from nanoparticles, chemical, physical agent to bioaerosols. Recently, his research topic is the development of measurement system using Internet of things(IoT).

SPEAKERS



Kwonchul Ha

Kwonchul Ha is a CIH (Certified Industrial Hygienist) with over 31 years of experience in occupational and environmental hygiene. He is currently professor of occupational and environmental hygiene at Changwon National University in South Korea since 2002. Professor Ha is the vice-president of the KIHA (Korean Industrial Hygiene Association). He has over 50 publications and develops environmental health education program.



Wook Kim

Mr. Wook Kim is the head of the electronics industry safety and health department of Korea Occupational Safety and Health Agency (KOSHA), a governmental organization responsible for preventing occupational accidents and disease in Korea. He worked for KOSHA as an industrial hygienist, a professional safety engineer, and an ergonomist. During his career, he designed and performed various kinds of projects to prevent industrial accidents and diseases of workers. One of his projects is the real-time monitoring system for chemical exposure levels in workplaces by using chemical sensors and ICT technologies.