

How to build safety cultures in the laboratories – Efforts will continue!

SYMPOSIUM

Building a positive health and safety culture in Universities is very challenging given how diverse the activities and profile of staff and students on campus. To support the sharing of best practices with regards to building a positive health and safety culture in Universities, leading universities in Asia have come together to organize the Asian Conference on Safety & Education in Laboratory (ACSEL) on an annual basis. The conference provides an opportunity for the exchange of knowledge on risk management and education in academic lab settings. Since the Ehime declaration in 2013, ACSEL has covered a wide range of topics and built an unique networking among safety professionals and researchers. This symposium will present the current activities with regard to safety training in higher education settings, biological and chemical risk management practices, comparisons of laboratory-safety related policies, institutions, and legal frameworks among countries participating in the ACSEL. This session will showcase the accomplishments of the ACSELS and share the current activities and strategies for the way forward. Industrial health professionals will benefit from this session in terms of laboratories as workplaces and emerging concerns that they need to care about.

Laboratory in Academia - Environmet, Health & Safety (EHS) management systems now and future

Saravanan Gunaratnam (National University of Singapore, Singapore)

Toward the Comprehensive, Effective and Concrete Program for Environmental Safety Education

Yoshiko Tsuji (The University of Tokyo, Japan)

Chemical Hazards in Korean Research Laboratory

Sunyoung Bae (Seoul Women's University, Korea, Republic of)

Bio hazards management practices in laboratories including corporates, private and public, and academia settings - Laboratory Biorisk Management | Fatma Lestari (University of Indonesia, Indonesia)

New Regulation for Lab Accident Compensation for student researchers & related issues

Jiyoung Suh (The Science and Technology Policy Institute, Korea, Republic of)

MODERATOR



Saravanan Gunaratnam

Mr Saravanan s/o Gunaratnam is currently the Head of the Safety & Health Management Division, Office of Safety, Health and Environment, National University of Singapore (NUS). The division is responsible for the development and implementation of core safety and health programmes on campus such as biosafety, chemical safety and radiation safety, leading a team of over 20 safety and health professionals. He has published in a number of peer review journals such as the Journal of Environment and Safety and the Journal of Chemical Health and Safety and contributed to NUS and national level committees. He is also a member of the steering committee for the yearly ACSEL conference and was responsible for the successful organization of ACSEL conference in National University of Singapore in 2017.

SPEAKERS



Yoshiko Tsuji

Yoshiko Tsuji is a professor at the University of Tokyo. She has specialized in understanding the structural control of functional thin-film materials and its application to information devices and solar cells with a view to reducing environmental impact. In addition, while understanding the reality of university research activities and the importance of environmental safety, she has been planning and implementing the comprehensive, effective and concrete program for environmental safety education at the University of Tokyo, utilizing his expertise in process engineering, and disseminating this information to the world. Furthermore, her group is trying to understand and structure various factors related to environmental safety inherent in education and research fields from a bird's-eye view, and promoting the creation of a scientific theory of environmental safety.



Sunyoung Bae

Prof. Sunyoung Bae is an analytical chemist at Seoul Women's University. Her research has been focused on solving problems by using analytical techniques, specified in chromatography. Her interest in laboratory safety was initiated as a researcher and deeply involved in lab safety education for foreign students and systematic study on lab safety management.



Fatma Lestari

Fatma is a professor in Safety, and now she is the Director of Disaster Risk Reduction Centre (DRRC) at Universitas Indonesia. She has the degree of PhD in Safety Science from UNSW, Sydney Australia, and Master & Bachelor Degree in Chemistry. She is a lecturer at Occupational Health & Safety Department, Faculty of Public Health, Universitas Indonesia. Her research is in the area of Laboratory Biorisk Management, Business Continuity, Disaster preparedness, Campus Safety & Health, Emergency/Disaster Management, Laboratory Chemical Safety & Security, and OHSMS at University & Laboratories. She teaches Industrial Toxicology, Chemical Hazards Sampling & Measurement, Fire & Explosion and Disaster Management.



Jiyoung Suh

Currently working at STEPI, providing policy consulting for government ministries. Major research fields are innovation policy, R&D policy, research environment & laboratory safety. The major is sociology and studied in Korea and Germany. Since 2011, have been researching in the field of laboratory safety, and in 2013, conducted the research on the second national basic plan for laboratory safety.