

November 19, 2021 to January 14, 2022

Registration

<https://www.acsel.esc.u-tokyo.ac.jp/2021/registration.html>

January 10 – January 15, 2022

Technical Session Poster Presentation *Location: GOING VIRTUAL*

https://goingvirtual.scej.org/web_conf

Post-COVID19 new normal

P-01	A21-013 Efforts to maintain research activities of our graduate school in COVID-19 pandemic Yukiko Nezu, Graduate School of Frontier Sciences, The University of Tokyo, Japan
-------------	--

P-02	Withdrawn
-------------	-----------

Theoretical analysis of environmental safety in laboratory

P-03	A21-021 Evaluating antistatic coated top boards for use in fume hoods Chizuru Kurosawa, Environmental Science Center, The University of Tokyo, Japan
-------------	---

Environmental protection

P-04	A21-009 Motivations for start and continue using washable bottles with SCAT analysis Tomoya Ueda, Department of Civil and Earth Resources Engineering, Kyoto University, Japan
-------------	---

Laboratory safety management

P-05	A21-006 Remote Safety Inspection for research labs amid COVID-19 Wayne Lim Xian Feng, Singapore Health Services Pte Ltd., Singapore
-------------	--

P-06	A21-008 Safety Reporting Using Instant Messaging App Jenty Chou, Singapore Institute of Technology, Singapore
-------------	--

P-07	A21-016 Analysis of eye distribution for risk extraction in a laboratory using VR technology Wanying ZHANG, Graduate School of Frontier Sciences, The University of Tokyo, Japan
-------------	---

P-08	A21-020 A Study on detecting unusual state in laboratory by machine learning of sounds Rui ZHOU, Graduate School of Frontier Sciences, The University of Tokyo, Japan
-------------	--

P-09	Withdrawn
-------------	-----------

P-10	A21-030 Distribution of chemical hazards in Korean research laboratory based on survey results Sunyoung Bae, College of Natural Sciences, Seoul Women's University, South Korea
-------------	--

Safety education

P-11	A21-014 Prospective teachers' experiences and ideas regarding safety in the primary science classrooms Manabu Sumida, Graduate School of Education, Ehime University, Japan
P-12	A20-024 Case studies of selecting suitable personal protective equipment for laboratory safety toward quick reference Rumiko Hayashi, Environment, Health & Safety Promotion, Nagoya University, Japan

Safety and health protection

P-13	A21-022 Fisherman work safety on boat operated lift nets in territorial fishing port of Karangantu, Serang, Banten Fis Purwangka, Faculty of Fisheries and Marine Science, IPB University, Indonesia
-------------	---

Late news

P-101	A21-102 Biorisk Management in Labs. Fatma Lestari, Faculty of Public Health, Universitas Indonesia
P-102	A21-103 A study on establishment of intelligent research safety system and preemptive safety information service Ji-Eun Park, National Research Safety Headquarter, Korean Research Institute of Bioscience and Biotechnology, Korea
P-103	A21-104 The role of biorisk management in supporting academic and research activities at IPB University Henny Purwaningsih, Department of Chemistry, IPB University, Indonesia

Networking Session by Sponsored Companies *Location: GOING VIRTUAL*

https://goingvirtual.scej.org/web_conf

Japan National Tourism Organization

Banner ads, Poster screening, Promotional video screening

AS ONE Corporation

Banner ads, Promotional video screening

Nomura Kohsan Co., Ltd.

Banner ads, Poster screening, Promotional video screening

Yamato Scientific Co., Ltd.

Banner ads, Poster screening, Promotional video screening

Chubb Global Risk Advisors Pte Ltd.

Banner ads, Poster screening, Promotional video screening

Tohoku Ryokka Kankyohozen Co., Ltd.

Banner ads

ICHINEN JIKCO CO., LTD.

Banner ads, Poster screening

foo.log Inc.

Banner ads

January 14, 2022

Opening *Location: GOING VIRTUAL*
https://goingvirtual.scej.org/web_conf

12:50 **Opening remarks**
 Prof. Yoshiko Tsuji, Program Chair of ACSEL2021, The University of Tokyo, Japan

13:00-15:00 **Special Session “Growing Together with Safety and Research Activities”**
Location: GOING VIRTUAL
https://goingvirtual.scej.org/web_conf

Chair Prof. Jeongim Park, SoonChunHyang University, Korea

13:00 **PI-1**
Challenges and directions for experimental research sites to achieve a balance between various boundary conditions
 Professor Yoshito Oshima, D Graduate School of Frontier Sciences, The University of Tokyo, Japan

13:30 **PI-2**
Reimagining risk assessment for research safety in the new normal
 Mr. Saravanan Gunaratnam, Office of Safety, Health and Environment, National University of Singapore, Singapore

14:00 **PI-3**
New normal program during the COVID-19 pandemic at the Department of Chemistry, IPB University
 Dr. Henny Purwaningsih, Department of Chemistry, IPB University, Indonesia

14:30 **PI-4**
Guidelines for safe nanomaterials handling in research environment
 Prof. Eun-Jung Park, Graduate School of Medicine, Kyung Hee University, Republic of Korea

15:00-15:15 **Coffee Break and Commercial screening by Sponsored Companies**

15:15-17:00 **Technical Session Oral Presentation** *Location: GOING VIRTUAL*
https://goingvirtual.scej.org/web_conf

Hall B

Hall A

Chair
 Dr. Takaaki Harada, Nagoya University, Japan
 Dr. Anom Bowolaksono, Universitas Indonesia, Indonesia

Chair
 Ms. Cindy Goh Joo Eng, Singapore Health Services Pte Ltd., Singapore
 Dr. Priscilla Lee, University of Hong Kong, Hong Kong

Laboratory safety management

Safety and health protection

15:15 **O-01** A21-007
Major amendment of 2020 to the Laboratory Safety Act in Korea
 J. Park, SoonChunHyang University, Korea

15:15 **O-07** A21-023
Implementation of Occupational Health, Safety, and Environmental Management Systems at IPB University
 F. Purwangka, IPB University, Indonesia

Safety education

15:30 **O-02** A21-027
Reliable and advanced chemical Information management system at the University of Tokyo
 T. Tobino, The University of Tokyo, Japan

15:30 **O-08** A21-015
Applying data analytics approach to safety culture
 E. Yap, Human Factors and Ergonomics Society of Singapore, Singapore

15:45 **O-03** A21-017
Controlling access to chemical substance cabinets linked to the chemical information management system with personal ID cards
 K. Iino, The University of Tokyo, Japan

15:45 **O-09** A21-018
How should environment and safety educations be for university globalization?
 A. Shuhara, The University of Tokyo, Japan

16:00 O-04	A21-019 NUS laboratory materials management system &#8211; Smart, sustainable & safe system for biological materials J. Karuppasamy, National University of Singapore, Singapore	Waste treatment	
		16:00 O-10	A21-026 Study of waste production and composition at IPB University B. I. Tampubolon, IPB University, Indonesia
16:15 O-05	A21-024 Hazard identification and risk assessment in using chemical materials in teaching laboratory at the Department of Chemistry, IPB University H. Purwaningsih, IPB University, Indonesia	16:15 O-11	A21-010 Towards secure and safe treatment for chemically hazardous wastes from advanced research activities O. Sawai, The University of Tokyo, Japan
		Other	
16:30 O-06	A21-012 Maintenance of department safety and health management system during COVID-19 pandemic P. Hande, National University of Singapore, Singapore	16:30 O-12	A21-028 Safety upskilling Initiative in driving positive safety culture Jialiang Cheng, Faculty of Science, National University of Singapore, Singapore
	Post-COVID19 new normal		
16:45 O-101	A21-102 How we have learned from COVID-19 Fatma Lestari, Faculty of Public Health, Universitas Indonesia		
17:00-17:45 Technical Session Poster Presentation <i>Location: GOING VIRTUAL</i> https://goingvirtual.scej.org/web_conf			
Hall A		Hall B	
Chair Dr. Tomohiro Tobino, The University of Tokyo, Japan		Chair Dr. Osamu Sawai, The University of Tokyo	
P-01	A21-013 Efforts to maintain research activities of our graduate school in COVID-19 pandemic Yukiko Nezu, Graduate School of Frontier Sciences, The University of Tokyo, Japan	P-08	A21-020 A Study on detecting unusual state in laboratory by machine learning of sounds Rui ZHOU, Graduate School of Frontier Sciences, The University of Tokyo, Japan
	P-03		A21-021 Evaluating antistatic coated top boards for use in fume hoods Chizuru Kurosawa, Environmental Science Center, The University of Tokyo, Japan
P-04	A21-009 Motivations for start and continue using washable bottles with SCAT analysis Tomoya Ueda, Department of Civil and Earth Resources Engineering, Kyoto University, Japan	P-11	A21-014 Prospective teachers' experiences and ideas regarding safety in the primary science classrooms Manabu Sumida, Graduate School of Education, Ehime University, Japan

P-05	A21-006 Remote Safety Inspection for research labs amid COVID-19 Wayne Lim Xian Feng, Singapore Health Services Pte Ltd., Singapore	P-12	A20-024 Case studies of selecting suitable personal protective equipment for laboratory safety toward quick reference Rumiko Hayashi, Environment, Health & Safety Promotion, Nagoya University, Japan
P-06	A21-008 Safety Reporting Using Instant Messaging App Jenty Chou, Singapore Institute of Technology, Singapore	P-13	A21-022 Fisherman work safety on boat operated lift nets in territorial fishing port of Karangantu, Serang, Banten Fis Purwangka, Faculty of Fisheries and Marine Science, IPB University, Indonesia
P-07	A21-016 Analysis of eye distribution for risk extraction in a laboratory using VR technology Wanying ZHANG, Graduate School of Frontier Sciences, The University of Tokyo, Japan	P-101	A21-102 Biorisk Management in Labs. Fatma Lestari, Faculty of Public Health, Universitas Indonesia
P-102	A21-103 A study on establishment of intelligent research safety system and preemptive safety information service Ji-Eun Park, National Research Safety Headquarter, Korean Research Institute of Bioscience and Biotechnology, Korea	P-103	A21-104 The role of biorisk management in supporting academic and research activities at IPB University Henny Purwaningsih, Department of Chemistry, IPB University, Indonesia
17:45-18:10	Closing Location: GOING VIRTUAL https://goingvirtual.scej.org/web_conf		
17:45	Poster Awards Ceremony		
18:00	Announcement and closing remarks Mr. Saravanan Gunaratnam, Organizer of ACSEL2022 host country, National University of Singapore, Singapore		