2022 CDIO Asian Regional Meeting: 11-13 October, 2022

Theme:
CDIO and Education for Sustainable Development in the Digital Age

Day 1 (October 11 2022: Tuesday)
Venue for Opening: Auditorium

9:00 – 9:30	Arrival and Registration of Participants
9:30 – 9:45	*Welcome Address* **Mr. Soh Wai Wah,** Principal & CEO, Singapore Polytechnic
9:45 – 10:00	*Welcome Speech* **Mr. Stanley Lee,** Senior Director, Temasek Foundation
10:00 – 10:15	*Welcome Remarks* **Mr. Cheah Sin Moh,** Centre Director SP CDIO Centre for Innovative Teaching and Learning, Singapore Polytechnic
10:15 – 10:45	Tea Break
10:45 – 11:30	**Keynote Speech:** **Sustainability & the Future of Work – Challenges & Opportunities for Enterprises & Educators** **Mr Thomas Yeo**, Managing Director, CET Global Pte Ltd
11:30 – 12:30	**Special Session:** **Common Core Curriculum in Singapore Polytechnic with Emphasis on United Nation Sustainable Development Goals** **Ms. Chao Yunn Chyi** Senior Director, Common Core Cluster, and Director of School of Mathematics & Science, SP **Ms. Lim Lee Yee** Director, School of Life Skills and Communication, SP
12:30 – 14:00	Lunch Break
	CDIO Asian Leaders Meeting I **Venue: LT14B** Please pick up your Institution's Voting Packet – **Voting Opens**

14:00 – 15:00	**Agenda:** • Introduction by Ms. Helene Leong • Announcement of Election for Co-Leader for CDIO Asia Region - Procedures • Sharing on new initiative by SP presented at CDIO 2022 @ Iceland: Technical Executives (TE) Competencies Framework
15:00 – 15:30	Tea Break

15:30 – 17:30	**Presentation**
	• Asian Institution(s) wishing to join CDIO Initiative
	    o (1530 – 1545) Chung Yuan Christian University, Taiwan
	    o (1545 – 1600) Politeknik Tawau Sabah
	    o (1600 – 1615) Politeknik Negeri Batam Indonesia
	    o (1615 – 1630) Batangas State University, Philippines
	    o (1630 – 1645) East Kazakhstan Technical University
	    o (1645 – 1700) Oguz Han Engineering and Technology University

17:30	End of Day 1

Day 2 (October 12, 2022: Wednesday)

9:00 – 9:15	Arrival of Participants to Auditorium
9.15 – 10:00	**Keynote Speech:** ***Beyond i4.0: Digital Transformation and the Future of Work*** **Dr. Tan Puay Siew**, Division Director, Manufacturing System Division in SIMTech, A*STAR **Venue: Auditorium**
10:00 – 10:45	**Keynote Speech:** ***SP's Journey to Digitalization*** **Mr. Lim Peng Hun,** Deputy Principal (Academic), Singapore Polytechnic **Venue: Auditorium**
10:45 – 11:15	Tea Break
11:15 – 12:30	**3 parallel Sharing Sessions – Participants to Choose ONE parallel Sharing Session**

	Sharing Session 1A: ***Application of IoT Technologies to Support Sustainable Development*** by **Mr. Niu Tianfang,** *Senior Lecturer School of Electrical & Electronic Engineering, SP* **Venue: LT12A**	**Sharing Session 1B:** **Engaging Students in Learning Sustainability Development in the Built Environment** by **Mr. Ho Yenn Ginn,** *Course Chair, Diploma in Architecture &* **Ms. Soo-Ng Geok Ling** *, T&L Specialist, School of Architecture & Built Environment, SP* **Venue: LT12B**	**Sharing Session 1C:** ***Case Study: Digital Fabrication for Sustainable Development*** by **Mr. Steven Chew,** *Senior Specialist Engineering Academy FabLab, SP* **Venue: LT14B**
	Sharing Session 2A: **Learning Points in using CDIO to Design a Non-Engineering Curriculum** by **Dr Natha Kuptasthien**, *Rajamangala University of Technology Thanyaburi, Thailand* **Venue: LT12A**	**Sharing Session 2B:** **KOSEN Education in the Future: Aiming to Nurture Human Resources who can Play an Active Role in 2050** by *National Institute of Technology Sendai College, Japan* **Venue: LT12B**	**Sharing Session 2C:** **Green Energy-Driven Fuel Production Toward a Sustainable Future** by **Dr. Chinh Chien Nguyen**, *Center for Advanced Chemistry, Duy Tan University, Vietnam* **Venue: LT14B**

12:30 – 13:30	Lunch

13:30 – 15:15	Participants new to CDIO will attend Workshop 2, while Participants with CDIO experience will attend the Hackathon, where they will be divided into 2 groups (A and B)		
	Hackathon – 2 Parallel Events Participants will be divided into 2 groups		**Workshop 2:** **CDIO for Beginners & New Collaborators:**
	Group A: **i4.0 Technologies for supporting Sustainable Development (focus on Student Projects)**	**Group B:** **T&L Practices for Transformative Learning for Sustainable Development**	**Brief Introduction to CDIO and Integrating Teamwork & Communication into Engineering Curriculum** **Ms Katerina Yang & Dr. Wong Yunyi,** *Course Management Team, Diploma in Chemical Engineering*
	Venue: Blk T4A Level 3, Club Ignite	**Venue: Colours@Library**	**Venue: LT12A**
15:15– 15:45	Tea Break		
15:45 – 17:30	**Group A: Continued**	**Group B: Continued**	**Workshop 2: Continued**
17:30	End of Day 2		

Day 3 (October 13, 2022: Thursday)

9:15 – 9:30	Arrival of Participants
9:30 – 10:30	**Keynote Speech**: **Sustainable Development in Engineering Education – Changing Hand Prints and Foot Prints** **Dr. Juha Kontio,** Turku University of Applied Sciences, Finland **Venue: Auditorium**
10:30 – 11:00	Tea Break
11:00 – 12:00	**Special Session 2:** **Mastery in the Digital Age: Impact on Engineering Education** **Dr. Thijs Willems,** LKY Centre for Innovative Cities, Singapore University of Technology & Design **Venue: Auditorium**
12:00 – 13:30	Lunch - & **Voting Closes at 13:30**
13:30 – 14:00	**CDIO Asian Leaders Meeting II** Participants: CDIO Asian Leaders **Venue: Blk T4A, Club Ignite Level 3**
	Report Back (max 15 mins each): • Hackathon Group A (i4.0 Technologies for Sustainable Development) & • Hackathon Group B (T&L Practices for Transformative Learning for Sustainable Development)

14:00 – 15:30	Sharing by Dr. Juha Kontio and Helene Leong on Peer-to-Peer Review Initiative Moving Forward: Action Plan for Collaboration – Discussion between Collaborators on the following: • Peer-to-Peer, • Technical Executives Competencies Framework • T&L for Sustainable Development (e.g. via LeX)
15:30 – 16:00	Tea Break
16:00 – 1630	Presentation on hosting 2023 CDIO Asian Regional Meeting
16:30 – 17:00	Discussion and decision on: • Outcome of CDIO Application(s) • Outcome of Hosting of 2023 CDIO Asian Regional Meeting • Outcome of Election • Closing Remarks
17:00	**End of 2022 Asian Regional Meeting**