

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	<i>Welcome Address</i> Mr. Soh Wai Wah , Principal & CEO, Singapore Polytechnic
9:45 – 10:00	<i>Welcome Speech</i> Mr. Stanley Lee , Senior Director, Temasek Foundation
10:00 – 10:15	<i>Welcome Remarks</i> 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	<p>Agenda:</p> <ul style="list-style-type: none"> • 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	<p>Presentation</p> <ul style="list-style-type: none"> • Asian Institution(s) wishing to join CDIO Initiative <ul style="list-style-type: none"> ○ (1530 – 1545) Chung Yuan Christian University, Taiwan ○ (1545 – 1600) Politeknik Tawau Sabah ○ (1600 – 1615) Politeknik Negeri Batam Indonesia ○ (1615 – 1630) Batangas State University, Philippines ○ (1630 – 1645) East Kazakhstan Technical University ○ (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: <i>Beyond i4.0: Digital Transformation and the Future of Work</i> Dr. Tan Puay Siew , Division Director, Manufacturing System Division in SIMTech, A*STAR Venue: Auditorium		
10:00 – 10:45	Keynote Speech: <i>SP's Journey to Digitalization</i> 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: <i>Application of IoT Technologies to Support Sustainable Development</i> by Mr. Niu Tianfang , Senior Lecturer <i>School of Electrical & Electronic Engineering, SP</i> 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: <i>Case Study: Digital Fabrication for Sustainable Development</i> by Mr. Steven Chew , Senior Specialist <i>Engineering Academy FabLab, SP</i> Venue: LT14B
	Sharing Session 2A: Learning Points in using CDIO to Design a Non-Engineering Curriculum by Dr Natha Kuptasthien , <i>Rajamangala University of Technology Thanyaburi, Thailand</i> Venue: LT12A	Sharing Session 2B: Sharing Session 2B: KOSEN Education in the Future: Aiming to Nurture Human Resources who can Play an Active Role in 2050 by Dr. Kuniaki Yajima , Professor, Sendai College; Dr. Kazuhito Amanai , Professor, Tokuyama College; Dr. Takashi Matsumoto , Professor, Anan College, <i>National Institute of Technology</i>	Sharing Session 2C: Green Energy-Driven Fuel Production Toward a Sustainable Future by Dr. Chinh Chien Nguyen , <i>Center for Advanced Chemistry, Duy Tan University, Vietnam</i> Venue: LT14B

		<i>Sendai College, Japan</i> Venue: LT12B	
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: Brief Introduction to CDIO and Integrating Teamwork & Communication into Engineering Curriculum
	Group A: i4.0 Technologies for supporting Sustainable Development (focus on Student Projects)	Group B: T&L Practices for Transformative Learning for Sustainable Development	Ms Katerina Yang & Dr. Wong Yunyi, <i>Course Management Team, Diploma in Chemical Engineering</i>
	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	<p>Keynote Speech: Sustainable Development in Engineering Education – Changing Hand Prints and Foot Prints Dr. Juha Kontio, Turku University of Applied Sciences, Finland</p> <p>Venue: Auditorium</p>
10:30 – 11:00	Tea Break
11:00 – 12:00	<p>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</p> <p>Venue: Auditorium</p>
12:00 – 13:30	Lunch - & Voting Closes at 13:30
13:30 – 14:00	<p>CDIO Asian Leaders Meeting II Participants: CDIO Asian Leaders Venue: Blk T4A, Club Ignite Level 3</p> <p>Report Back (max 15 mins each):</p> <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none">• Peer-to-Peer,• Technical Executives Competencies Framework• T&L for Sustainable Development (e.g. via LeX)
15:30 – 16:00	Tea Break
16:00 – 16:30	Presentation on hosting 2023 CDIO Asian Regional Meeting
16:30 – 17:00	Discussion and decision on: <ul style="list-style-type: none">• 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 & Dinner at Hotel Rendezvous