



20TH APCCChE CONGRESS
Asian Pacific Confederation of Chemical Engineering
Incorporating
84th PIChE National Convention

***Revitalizing Global Partnerships for
Sustainable Development***

SMX Convention Center Manila | September 4 to 9, 2022

<https://apccche2023.org/>

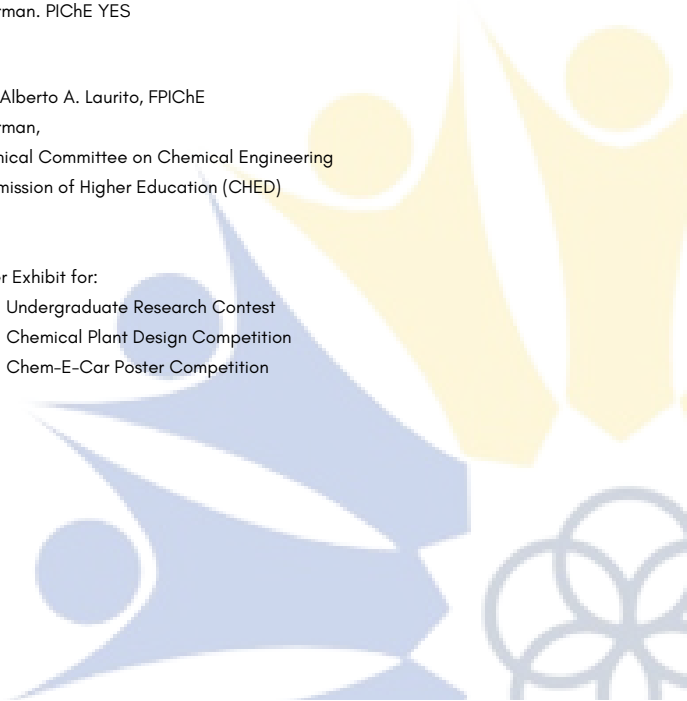


Congress Schedule

APCChE Education Summit and Student Congress

Day 1

Time	Activities	
07:30 – 08:00 AM	Registration	JPICHE National
	Opening Prayer	
08:00 – 08:15 AM	Philippine National Anthem	
	Introduction of Participants	
08:15 – 08:40 AM	Opening Remarks	Engr. Chamaigne Luz Dela Gente-Jamandre PICHE National President
08:40 – 08:45 AM	Introduction of the Keynote Speaker	Engr. Jocel B. Dimacutac PICHE AVP - Mindanao
08:45 – 09:10 AM	Keynote Speaker. "A Spotlight on the Chemical Engineering Education Trends and Challenges in the Asia and Pacific Regions"	Prof. Fang Xiangchen Vice President, APCChE Executive Vice President and Secretary General of The Chemical Industry and Engineering Society of China (CIESC)
EDUCATION SUMMIT		
Theme: "Building APCChE Partnerships Toward Chemical Engineering Education in the AI-Digital World"		
09:10 – 09:40 AM	Plenary Speaker 1. "Transformation of the Chemical Engineering Education: The Role of AI and Digitalization"	Prof. David Shallcross University of Melbourne
09:40 – 10:10 AM	Plenary Speaker 2. "Development of Competence Framework for Chemical Engineering Students in Asia and Pacific for Global Workforce"	Dr. Esther Ventura-Medina Eindhoven University of Technology
10:10 – 10:40 AM	Plenary Speaker 3. "Fostering Sustainable Future: Collaborative Partnership Among APCChE Member Organizations in Chemical Engineering Education"	Prof. Ir. Dr. Denny K S Ng Dean School of Engineering and Technology Sunway University
10:40 – 11:10 AM	Plenary Speaker 4. "The Relevance of Chemical Engineering Licensure Examination in Predicting Quality ChE Graduates"	Hon. Cezar S. de la Cruz Member, PRB-ChE Professional Regulation Commission (PRC) Manila, Philippines
11:10 – 11:40 AM	Open Forum	Dr. Rizalinda de Leon, FPICHE University of the Philippines - Diliman Moderator
11:40 – 11:45 AM	Presentation of Summit Outcomes	Engr. John Von Wernher C. de la Cruz Chairman. PICHE YES
11:45 – 11:50 AM	Signing of Summit Resolution on Partnerships Among Educational Institutions	
11:50 – 12:00 NN	Closing Remarks	Prof. Alberto A. Laurito, FPICHE Chairman, Technical Committee on Chemical Engineering Commission of Higher Education (CHED)
12:00 – 1:00 PM	Lunch Break	
STUDENT CONGRESS		
1:00 – 1:30 PM	Ribbon Cutting Ceremony: Opening of APCChE Student Congress	Poster Exhibit for: ● Undergraduate Research Contest ● Chemical Plant Design Competition ● Chem-E-Car Poster Competition
1:30 – 2:00 PM	ChE Mob: Students vs. Professionals	
2:00 – 5:00 PM	APCChE Quiz Bowl	





Congress Schedule

Parallel Meetings and Welcome Dinner

Day 2

Time	Activities	
8:00 – 9:00 AM	Philippine Institute of Chemical Engineers (PIChE) Chapter Presidents' Meeting	Meeting Room 7
9:00 – 10:00 AM	YES & JPIChE	Meeting Room 7
10:00 – 12:00 PM	College of Fellows (COF) General Assembly	Meeting Room 7
8:00 – 12:00 PM	Presentation of Finalists of Undergraduate Research Contest	Meeting Room 8
8:00 – 12:00 NN	Presentation of Finalists of Chemical Plant Design Competition	Meeting Room 9
12:00 – 1:00 PM	Lunch Break	
1:00 – 2:00 PM	Opening of Asian Pacific Confederation of Chemical Engineering and Industry Expo	SMX F5
2:00 – 2:30 PM	20th APCChE Congress 2023 and 84th PIChE National Convention Opening Ceremonies	
	Processional	
2:30 – 2:35 PM	Entrance of Colors	
2:35 – 2:45 PM	Doxology, National Anthem, PIChE Hymn	
2:45 – 2:50 PM	Declaration of Opening of 20th APCChE Congress and 84th PIChE National Convention	Engr. Maricris C. Vines 20th APCChE Congress Chair Dr. Nathaniel P. Dugos 84th PIChE National Convention Chair
2:50 – 3:00 PM	Welcome Message	Hon. Imelda G. Calixto-Rubiano Pasay City Mayor
3:00 – 3:10 PM	Message from the APCChE President	Engr. Maricris C. Vines
3:10 – 3:20 PM	Message from the PIChE President	Engr. Chamaigne Luz Dela Gente-Jamandre
3:20 – 3:25 PM	Introduction to the Guest of Honor	Hon. Shirley Chua-Reyes Member, PRC PRB ChE
3:25 – 3:55 PM	Message from the President of the Republic of the Philippines	(Invited) His Excellency Ferdinand Romualdez Marcos Jr.
3:55 – 4:00 PM	Introduction to the Guest Speaker	Prof. Maria Natalia Roxas-Dimaano, PhD
4:00 – 4:25 PM	Inspirational Message	Dr. Filemon A. Uriarte, JR.
4:25 – 4:30 PM	Introduction to the Keynote Speaker	Prof. Nathaniel P. Dugos, PhD
	Keynote Message	Prof. Robert S. Langer, SCD
4:30 – 5:15 PM	"Controlling the release of large molecules from biomaterials: How overcoming skepticism led to new medical treatments and ways to tackle a global health challenge"	David H. Koch Institute Professor Massachusetts Institute of Technology (MIT) Massachusetts Ave, Cambridge, MA, USA
5:15 – 5:45 PM	Dinner / Intermission Number	
5:45 – 6:00 PM	Recognition of New Members of the PIChE College of Fellows	Engr. Rex Bacaling Demafelis, PhD Chairman, PIChE COF
6:00 – 6:55 PM	PIChE Excellence Awards	
6:55 – 7:00 PM	Acknowledgement / Closing Remarks	Engr. Ma. Elena T. Perlado Co-Chair, Organizing Committee

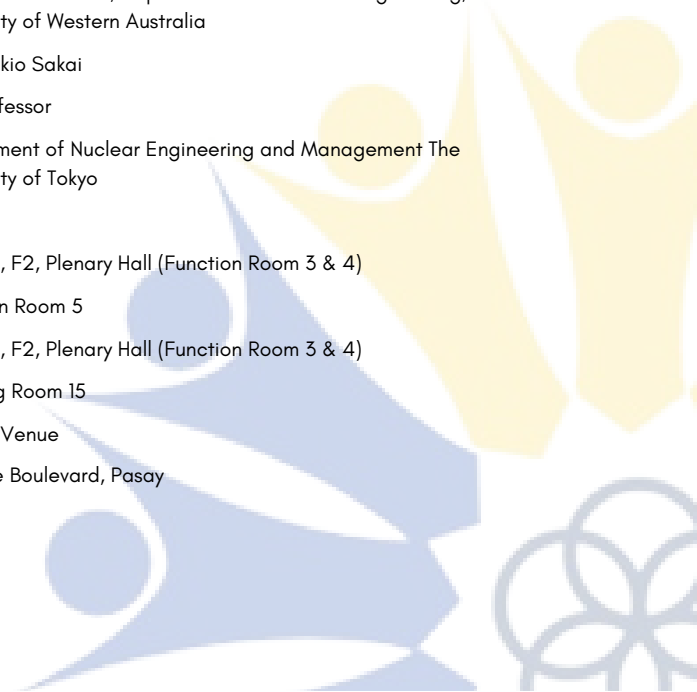




Congress Schedule

Plenary and Technical Sessions

Day 3	Time	Activities	
	8:00 – 9:00 AM	PIChE Business Meeting	Prof. King Lun Yeung, PhD
	9:00 AM – 9:50 AM	Plenary Talk 1. "Sustainable Green Technologies for A Healthy Living Environment"	Professor, Department of Chemical and Biological Engineering & Division of Environment and Sustainability the Hong Kong University of Science and Technology Secretary Renato U. Solidum, Jr. Department of Science and Technology (DOST) Republic of the Philippines
	9:50 – 10:40 AM	Plenary Talk 2.	Function Room 5
	10:40 – 11:30 AM	Coffee Break and Poster Session 1	Prof. Guoha Chen, PhD Chairman, World Chemical Engineering Council
	11:30 – 12:20 PM	Plenary Talk 3. "Energy and Environment: Challenges and Opportunities for Chemical Engineers"	PIChE NBOT Election and Bid to the 86th PIChE NatCon
	12:20 – 1:30 PM	Lunch Break	M1-9, F1, F2, Plenary Hall (Function Room 3 & 4)
	1:30 – 3:00 PM	Parallel Technical Session 1	Function Room 5
	3:00 – 4:00 PM	Coffee Break and Poster Session 2	M1-9, F1, F2, Plenary Hall (Function Room 3 & 4)
Day 4	4:00 – 5:00 PM	Parallel Technical Session 2	
	8:00 – 9:00 AM	PRC Board of Chemical Engineering Report	Function Room 3 & 4 Prof. Raymond Girard R. Tan, PhD Vice President for Research and Innovation De La Salle University
	9:00 – 9:50 AM	Plenary Talk 4. "Computing Optimal Decarbonization Portfolios"	Function Room 5
	9:50 – 10:45 AM	Coffee Break and Poster Session 3	Prof. Hui Tong Chua, PhD Professor and Head, Department of Chemical Engineering, University of Western Australia
	10:45 – 11:35 AM	Plenary Talk 5. "Chemical Engineering Innovations and Opportunities in Australia"	Prof. Mikio Sakai Full Professor Department of Nuclear Engineering and Management The University of Tokyo
	11:35 – 12:20 PM	Plenary Talk 6. "On a simulation-based digital twin towards the realization of smart manufacturing in the powder industry"	
	12:20 – 1:30 PM	Lunch Break	
	1:30 – 3:00 PM	Parallel Technical Session 3	M1-9, F1, F2, Plenary Hall (Function Room 3 & 4)
	3:00 – 4:00 PM	Coffee Break and Poster Session 4	Function Room 5
	4:00 – 5:00 PM	Parallel Technical Session 4	M1-9, F1, F2, Plenary Hall (Function Room 3 & 4)
	2:00 – 4:00 PM	APCChe Board Meeting	Meeting Room 15
	6:00 – 9:00 PM	Congress Dinner and Fellowship Night	Vikings Venue Seaside Boulevard, Pasay





Congress Schedule

SDG Symposium, Industry Talks, and Closing Ceremonies

Day 5	Time	Activities	
	8:00 – 9:00 AM	Oath Taking of PIChE National Board of Trustees FY 2023-2025	Plenary Hall (Function Room 3& 4)
		SDGs Special Symposium	Session 1. Plenary Talks
	9:00 – 12:00 NN	Hosted by The Society of Chemical Engineers, Japan (SCEJ)	Session 2. Poster Presentations
			Session 3. Participatory Workshop
			Session 4. Summary & Networking
	12:00 – 1:00 PM	Lunch Break	
	1:00 – 1:30 PM	Industry Speaker 1. “Updated Philippine Chemical Industry Roadmap (2023-2028): Enabling Industry Linkages, Sustainability, and Safe Materials”	Engr. Roberto F. Batungbacal Senior Adviser and Former President, Samahan sa Pilipinas ng mga Industriyang Kimika (SPIK)
	1:30 – 2:00 PM	Industry Speaker 2. “The Path to Sustainability: URC’s Journey towards Climate Action and Plastic Neutrality”	Engr. Shirlyn Chua-Reyes, PhD, ASEAN, APEC, ACPE Vice President of Corporate Quality and Environment, Health and Safety Universal Robina Corporation
		Manila Declaration	
		Awarding and Closing Ceremony	
		Turnover Rites	Engr. Maricris C. Vines Engr. Nathaniel P. Dugos, PhD
	2:00 – 4:00 PM	21st APCChE Congress to The Chemical Industry and Engineering Society of China (CIESC)	Prof. Fang Xiangchen Executive Vice President, The Chemical Industry and Engineering Society of China (CIESC)
		85th PIChE National Convention to PIChE Cebu Chapter	Engr. Jon Paulo Siglos President, PIChE Cebu Chapter

Educational Plant Tour

Day 6	Time	Activities	
	8:00 – 9:00 AM	Assembly and Registration	SMX Convention Center
	9:00 – 9:30 AM	Departure from SMX Convention	
	10:00 – 11:00 AM	Tour: Rizal Park	
	11:00 – 12:00 PM	Guided Tour at Intramuros and Fort Santiago	
	12:00 – 1:00 PM	Buffet Lunch at Barbara’s Restaurant, Intramuros, Manila	
	1:00 – 2:30 PM	Visit at Destileria Limtuaco Museum	
	2:30 – 3:30 PM	Tour: San Agustin Church	
	3:30 – 4:30 PM	Tour: Plaza San Luis and Casa Manila	
	4:30 – 5:30 PM	Tour: National Museum	
	5:30 – 6:00 PM	Arrival at SMX Convention	

