



TNCHE Asia 2026

5th Thailand International Chemical Engineering & Chemical Technology

INSPIRING Innovations and Digital Solutions for Asia Sustainability

9th - 11th
June 2026

Dusit Thani Pattaya Hotel, Pattaya,
Chonburi Province, Thailand

> 60

presentations

> 60

exhibitors

> 290

organizations

> 3,300

participants

8

conference sessions covering process innovation, decarbonization, process automation, digital and AI, process safety, energy, process scale up

4

Communities of practice (CoP)



SCAN
TO REGISTER



Organised by



TICHE
Thai Institute of
Chemical Engineering
and Applied Chemistry

Organizing Partners



TNChE Asia 2026

About Event

The 5th Thailand International Chemical Engineering & Chemical Technology (TNChE Asia 2026), organized by the Thai Institute of Chemical Engineering and Applied Chemistry (TIChE), will take place on **June 9-11, 2026, in Pattaya, Chonburi Province, Thailand.** Building on the success of TNChE Asia 2025, which became the largest event in the process industry in the region, last year's edition saw **22 event partners, 41 exhibitors, 2 sponsors, 6 supporting organization and over 290 participating organizations, attracting more than 3,300 visits** from academia, industry, and government over the three-day event.

In addition to this success, **TNChE Asia 2026 will be co-located with the 24th ROPTC, the Regional Olefins Producer Technical Committee which is an annual Southeast Asian conference and TIChE 2026, the 35th TIChE event,** Thailand's largest academic conference in chemical engineering. This collaboration will provide chemical engineering students with a unique opportunity to engage with industry professionals, explore cutting-edge technologies, and gain insights into real-world applications.

This year's event will further expand on its core themes of **INSPIRING Innovations and Digital Solutions for Asia Sustainability**, featuring over 60 technical presentations, topical conferences, Community of Practice (COP) sharing sessions, and technology exhibitions.

Last but not least, the **Executive Networking Dinner** will continue as a key part of TNChE Asia 2025, bringing together top executives and industry leaders for high-level discussions, collaboration opportunities, and strategic networking in an exclusive setting.



Event Highlights

01 Topical Conferences

The highlight conference
"INSPIRING Innovations and Digital Solutions for Asia Sustainability"

- Innovations; Novel Technology Improvements
- Digital Transformation; Intelligent Operations
- Circular Resources; Net Zero Pathways
- Process Excellence and Optimization; Efficiency Enhancement

02 Community of Practice (COP) Sharing

Community of Practice Sharing will feature

- Chemical Process Safety Sharing #17
- Digital Technology for Smart Industry Sharing #7
- Process Scale-up Sharing #4
- Energy Saving and Optimization COP Sharing #7

03 Technology Exhibitions

TNChE Asia 2026 – is the perfect platform to bring the technology and innovations, showcasing:

- Process Technology
- Process Equipment
- Process Automation
- Digital Technology

TNChE Asia 2026

Who Should Attend

TNChE Asia 2026 is designed for professionals across the entire process industry who are seeking to navigate the complexities of today's evolving landscape and drive sustainable growth.

This event is particularly relevant for:



Essentially, anyone who recognizes the need to adapt, innovate, and collaborate in the face of uncertainty within the process industry will find valuable insights and connections at TNChE Asia 2026.

This year Special



TNChE Asia 2026

5th Thailand International Chemical Engineering & Chemical Technology

INSPIRING Innovations and Digital Solutions for Asia Sustainability

9th – 11th June 2026

We are proud to announce the return of **TNChE Asia 2026**, a premier regional platform dedicated to the advancement of chemical engineering and industrial innovation. This year, the experience is elevated through the strategic co-location of two significant concurrent events, creating a unique synergy between academia, the next generation of engineers, and specialized industry leaders



Innovating for Net-Zero: AI, Circular Solutions, and the Future of Chemical Engineering

Focused on fostering the growth of Chemical Engineering and Applied Chemistry students. This segment highlights academic excellence and provides a stage for the next generation of researchers to present their work to a global audience.



24th Regional Olefins Producer Technical Conference 2026

Driving Olefins Towards a Digital, Safe, and Sustainable Future

An exclusive, member-only event dedicated to the Olefins industry. This long-running technical conference offers a private forum for industry veterans to discuss the latest trends, safety protocols, and technical innovations in olefin production.

Why you should attend?

INSPIRING Innovations and Digital Solutions for Asia Sustainability

To understand climate-related issues, challenges facing the industry, and policies and technology related to greenhouse gas reduction and decarbonization

You will understand policies and technology that address reduction of greenhouse gas (GHG) emissions by substituting with lower-carbon sources of energy, or taking equivalent actions such as reducing the consumption of goods and energy. In both the near and medium term, decarbonization will certainly affect every economy in the world and most aspects of economic activities.

Get ready to learn how to revolutionize the process

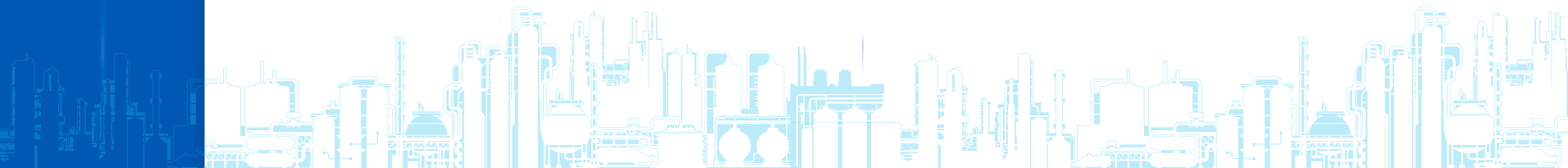
Discover the latest innovations and explore how AI is driving a greener, more efficient future. Don't miss out on the cutting-edge insights and opportunities to shape the industry's sustainable journey! Connect with industry experts, gain valuable insights, and learn how to leverage digital tools to make your operations greener and more efficient.

TNChE Asia 2026

Community of Practices (COP)

To make connection with TIChE community of practices (COPs)

You will enhance your career path with practical knowledge and know-how from Chemical Process Safety Sharin and Optimization, Digital Technology for Smart Industry, and Process Scale-up. Recommended practices from proven experts in COPs could save your time from trials & errors in learning, on top of exchanging ideas and strengthening relationship with your professional acquaintances, and creating and expanding your network.



TNChE Asia 2026

All Honorary Advisor



Dr. Siri Jirapongphan
Honorary Co-Chair
(Former Minister of Energy, & Director of Bangkok Bank Public Company Limited)



Dr. Pailin Chuchottaworn
Honorary Co-Chair
(Chairman of Vidyasirimedhi Institute of Science and Technology Council (VISTEC))



Mr. Cholanat Yanaranop
Honorary Co-Chair
(Board of Directors of SCG & SCGC)



Mr. Vichan Tangkongsirisin
Honorary Advisor
(President of Dow Thailand Group)



Dr. Kongkrapan Intarajang
Honorary Co-Chair
(Chief Executive Officer and President, PTT Public Company Limited)



Mr. Narongsak Jivakanun
Honorary Advisor
(Chief Executive Officer, PTTGC)



Dr. Suracha Udomsak
Honorary Advisor
(Chief Operations and Innovation Officer, SCGC)



Dr. Surachai Sathitkunararat
Honorary Advisor
(President of the Office of the National Higher Education, Science, Research and Innovation Policy Council. (NXPO))

Committees

Mr. Surachate Chalothorn

Chair

Prof. Emer. Wiwut Tanthapanichakoon

Vice Chair

Mr. Pukpong Wungrattanasopon

Vice Chair

Prof. Dr. Tawatchai Charinpanitkul

Vice Chair

Assoc. Prof. Dr.Thumrongrut Mungcharoen

Member

Prof. Dr. Pramoch Rangsunvigit

Member

Mr. Anupong Panichsan

Member

Mr. Pudit Suttrasirikul

Member

Mr.Thanit Wangruangsatit

Member

Ms.Piyaporn Pongbhai

Member

Mr. Visoot Duenkwang

Secretary

Highlight

9 June, 2026: 9.00-10.00 AM, Napalai D/E

Opening Remarks by

Mr. Narongsak Jivakanun
Chief Executive Officer, PTTGC

9 June, 2026: 11.00-12.00 AM, Napalai D/E



Plenary Sessions

11.00-11.20 AM



**Topic: AI as the new performance divide
in the chemicals industry**

Rachit Agarwal, Principal
Boston Consulting Group (BCG) Singapore

11.20-11.40 AM



**Topic: Accelerating Industrial
Decarbonization under Thailand's Net Zero
Agenda**

Ms. Insa Illgen
Deutsche Gesellschaft für Internationale
Zusammenarbeit (GIZ), Germany

11.40-12.00 AM



**Topic: Financial Innovation:
Unlocking Thailand's Potentials**

Mr. Burin Adulwattana
Managing Director and Chief Economist,
Kasikorn Research Center (KResearch),
Kasikornbank, Thailand

Conference Overview

TNChE Asia 2026

Time (Hrs.)	9 Jun 2026		10 Jun 2026			11 Jun 2026		
9:00-10:30	Opening Ceremony (1.5 hrs) <Napalai D/E>		Main Conf.: Decarb. (1.5 hrs) <Napalai E> Circular Resources; Net Zero Pathways	COP. Digital (1.5 hrs) <Dusit1> AI-Driven Intelligent Operations and Process Excellence	ROPTC (1.5 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future	Safety (CPSS#17) (1.5 hrs) <Napalai E> Beyond Compliance – Turning Process Safety Management (PSM) into Performance.	COP. Energy (1.5 hrs) <Dusit1> Innovative energy solution for sustainability	ROPTC (1.5 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future
10:30-11:00	Break & Booth Visit (30 min.) Break of each room may 10-15 min. different							
11:00-12:00	Plenary Session (1.0 hrs) <Napalai D/E> INSPIRING Innovations and Digital Solution for Asia Sustainability		Main Conf.: Decarb. (1.5 hrs) <Napalai E> Circular Resources; Net Zero Pathways	COP. Digital (1.5 hrs) <Dusit1> AI-Driven Intelligent Operations and Process Excellence	ROPTC (1.0 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future	Safety (CPSS#17) (1.5 hrs) <Napalai E> Beyond Compliance – Turning Process Safety Management (PSM) into Performance.	COP. Energy (1.5 hrs) <Dusit1> Innovative energy solution for sustainability	ROPTC (1.0 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future
12:00-13:30	Lunch & Booth Visit (1.5 hrs.) Lunch of each room may 10-15 min. different							
13:30-15:00	Main Conf.: Decarb (1.5 hrs) <Napalai D> Innovations; Novel Technology Improvements	Main Conf.: Digital. (1.5 hrs) <Napalai E> Digital Transformation; Intelligent Operations	Main Conf.: Decarb. (1.5 hrs) <Napalai E> Process Excellence and Optimization; Efficiency Enhancement	COP. Energy (1.5 hrs) <Dusit1> Innovative energy solution for sustainability	ROPTC (1.5 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future	Safety (CPSS#17) (1.5 hrs) <Napalai E> Beyond Compliance – Turning Process Safety Management (PSM) into Performance.	COP. Process scale up (1.5 hrs) <Dusit1> The Scale-Up Challenge: Closing the Loop Between Academia and Industry	ROPTC (1.5 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future
15:00-15:30	Break & Booth Visit (30 min.) Break of each room may 10-15 min. different							
15:30-17:00	Main Conf.: Decarb (1.5 hrs) <Napalai D> Innovations; Novel Technology Improvements	Main Conf.: Digital. (1.5 hrs) <Napalai E> Digital Transformation; Intelligent Operations	Main Conf.: Decarb. (1.5 hrs) <Napalai E> Process Excellence and Optimization; Efficiency Enhancement	COP. Energy (1.5 hrs) <Dusit1> Innovative energy solution for sustainability	ROPTC (1.0 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future	Safety (CPSS#17) (1.5 hrs) <Napalai E> Beyond Compliance – Turning Process Safety Management (PSM) into Performance.	COP. Process scale up (1.5 hrs) <Dusit1> The Scale-Up Challenge: Closing the Loop Between Academia and Industry	ROPTC (1.5 hrs) <Napalai D> Driving Olefins Towards a Digital, Safe, and Sustainable Future
17:30-20:00	Executive Networking Dinner <Tentative :The point>		ROPTC Dinner <Napalai D/E>					

Note: ROPTC is a closed session and attendance is restricted to registered members only.

TNChE Asia 2026 INSPIRING Innovations and Digital Solutions for Asia Sustainability

Conference Programme Day 1 | 9th June 2026

Opening Ceremony of TNChE Asia 2026

Timing: 9:00-10:30

Meeting Room: Napalai D/E

09:00-10:30	Welcome Speech Opening Remarks by VVIP Speaker Presentation of Plaques of Appreciation to Event Partners, Group photos; Ribbon cutting at Entrance of Exhibition Halls and VIP tour of the Exhibition Booths Welcome Speech by Surachate Chalothorn, President of TIChE & Chair of TNChE Asia 2026 Confex Organizing Committee Opening Remarks and Keynote by VVIP Speaker : Narongsak Jivakanun, Chief Executive Officer, PTTGC
10:30-11:00	Exhibitor Hour & Coffee Break

Plenary Session

Timing: 11:00-12:00

Session Chair: Assoc.Prof.Dr.Thumrongrut Mungcharoen

11:00-11.20	AI as the new performance divide in the chemicals industry by: Rachit Agarwal, Principal, Boston Consulting Group (BCG) Singapore
11.20-11.40	Accelerating Industrial Decarbonization under Thailand's Net Zero Agenda by: Insa Illgen, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany
11.40-12.00	Financial Innovation: Unlocking Thailand's Potentials Burin Adulwattana, Managing Director of KResearch, KBANK

Session 1: Innovations; Novel Technology Improvements

Timing: 13:30 – 17:00

Session Chair: Dr. Boontham Paweewan, Luck Saraya

Meeting Room: Napalai D

13.30-13.50	From commodity to capability-How chemicals leaders win in a permanently lower-spread world by: Thomas Luedi, Senior Partner, Bain & Company's Bangkok office
13.50-14.10	Do you know iCoP by: Sonik Chang, General Manager, YEOCHUN NCC CO., LTD.
14.10-14.30	From Fundamental Research to Commercial Applications: How Basic Food Engineering Studies Become Commercial Realities by: Sakamon Devahastin, Professor, King Mongkut's University of Technology Thonburi
14.30-14.50	Optimizing Column Performance and Reliability with Integrated Mass Transfer Technology by: Ashraf Lakha, Koch-Glitsch Tray Technology Expert, Koch Engineered Solutions (KES)
14.50-15.10	From innovation to commercialization: practical approaches in an impractical world by: Princeya Artpradid, Director, QualChem (Thailand) and Mineed Technology
15.10-15.40	Exhibitor Hour & Coffee Break
15.40-16.00	Optimization of an Ethylbenzene/Styrene Splitter with RMP SP-type Structured Packings – A Case Study by: Christian Geipel, Managing Director, RVT Process Equipment GmbH.
16.00-16.20	Why Startups Don't Get Funded: 5 Pitfalls Founders Miss by: Luck Saraya, Managing Director, TOP Ventures
16.20-16.40	Capitalizing on new economic opportunities through flexible operation using Advanced Process Control (APC) by: Mayank Patel, Industry Strategy Director, Chemicals, Siemens Digital Industries Software
16.40-17.00	Enhancing Process Reliability with Advanced Level and Pressure Measurement Technologies by: Rathapum Roatamornsawat, Sales Engineer & Marketing, VEGA Instruments Co., Ltd.
17.00-18.30	Evening Happy Hour +Sponsor (Snack and Drink)

Session 2: Digital Transformation; Intelligent Operations

Timing: 13:30-17:00

Session Chair: Chaiwut Kittiworakarn, Assoc. Prof. Khanin Nueangnoraj

Meeting Room: Napalai E

13.30-13.50	Building Thailand's Trusted Digital Ecosystem for AI-Driven Industrial Transformation by: Dr. Preesan Rakwatin, Executive Vice President (Digital Transformation Promotion Unit), Digital Economy Promotion Agency (depa)
13.50-14.10	From Digitalization to Autonomous Operations: Accelerating AI-Driven Transformation in Downstream Industries with IngeneroX by: Mayuresh M, Digital Solutions Client Engagement, Ingenero
14.10-14.30	Pragmatic AI-Driven Process Control and Optimization for Intelligent Manufacturing by: Kawin Vanijdee, Managing Director/Tech Advisor, iAPC Consulting
14.30-14.50	Smart Plant Automation Modernization – Improving Operations and Maintenance for Reduced Cost by: Jonas Berge, Senior Director, Applied Technology, Emerson Automation Solutions
14.50-15.10	AI in Chemical Manufacturing: Building Data Foundations for Faster Decisions by: Charles Ng, Solutions Engineer, dataPARC.
15.10-15.40	Exhibitor Hour & Coffee Break
15.40-16.00	Staying Competitive : How Digital and AI Enables Upstream Oil & Gas Business by: Thanasit VichaiPAIRJWONG, Senior Vice President, Digital Technology Center of Excellence, PTTEP
16.00-16.20	Digital and AI for Manufacturing by: Jason Schern, Field CTO, Cognite
16.20-16.40	Assessment of Remaining Furnace Tube Life in Steam Cracking Service: From Destructive Evaluation to Online Monitoring by: Towje Kirchner, Team Leader Customer Support - Steam Cracker, Schmidt + Clemens Group
16.40-17.00	Enhancing Reliability with Deep Kinetic Models for Sulphur Recovery Units by: Hari Vamsi Duggirala, Three Ten Initiative Technologies LLP
17.00-18.30	Evening Happy Hour +Sponsor (Snack and Drink)

TNChE Asia 2026 INSPIRING Innovations and Digital Solutions for Asia Sustainability

Conference Programme Day 2 | 10th June 2026

Circular Resources; Net Zero Pathways

Session 3: Circular Resources; Net Zero Pathways Meeting Room: Napalai E
Timing: 09:00-12:30
 Session Chair: Prof.Dr.Pornpote Piumsomboon, Prof.Dr.Paisan Kongkachuichay, Dr. Nakarin Mongkolsiri

9.00-9.20	Commercial Opportunity in Low-Energy CO₂ Capture: Natural Clay-Based VPSA Technology by: Wittaya Julklang, Researcher, SCG Chemicals Public Company Limited (SCGC)
9.20-9.40	CCS Hub and Cluster Strategy: Powering Thailand's Next Wave of Economic and Climate Leadership by: Thana Sornchamni, Vice President, PTT Public Company Limited
9.40-10.00	Promoting circularity and reducing carbon footprint for refineries by using rejuvenated catalyst and demonstrated by live example of Thai refinery by: Rohit Ravindranath Irabatti, Business Development Manager, Eurecat Group
10.00-10.20	Reducing Economic Uncertainty in CO₂ Separation Through Advanced Simulation by: Hari Vamsi Duggirala, Senior Process Simulation Engineer, Three Ten Initiative Technologies LLP
10.20-10.40	High-Return Revamps: Hydrocarbon recovery through modular membrane solution by: Alexis Loulier, Director of Sales, UniSieve AG
10.40-11.10	Exhibitor Hour & Coffee Break
11.10-11.30	Waste Vapor/Steam Recovery to Reduce Utility Cost and Carbon Emission via Industrial Heat Pump by: Jeff Choong, Head of Regional Sales SEA, Piller Blowers & Compressors GmbH
11.30-11.50	Process Technologies In the Energy and Petrochemicals industries for Sustainability by: Pattaraporn Sridechprasat, Manager, Honeywell International Inc.
11.50-12.10	Optimizing Industrial Wastewater Recycle with Multi Tech Solutions by: Panupong Chuntanaler, Technical Service & Development Specialist, Dupont
12.10-12.30	Closing the Loop through Axens Advanced Recycling Technologies by: Harpreet Kaur, Plastic Recycling Business Development Manager, Axens

Session 4 : Process Excellence and Optimization; Efficiency Enhancement Meeting Room: Napalai E
Timing: 13:30-17:00
 Session Chair: Prof. Dr. Tawatchai Charinpanitkul, Nungruetai Chaiyasit, Kesinee Kiatpradab

13.30-13.50	Maximizing Profitability of Existing Heat Exchange Assets: Quick Operational Wins Through Tube Inserts in Shell-and-Tube Exchangers for Immediate Cost Savings and Enhanced Efficiency by: Alexandre DEMEULENAERE, Global Product Manager, PETROVAL
13.50-14.10	Collaborating for the Future – Generative One Model (GC and KBC) by: Thanasan Tangchaksuwan, Process Technology, PTT Global Chemical Public Company Limited And Jevan Kwan, Senior Business Development Manager, KBC
14.10-14.30	Smarter, Faster, Safer Reactor Treatment by: Patrick Figueiredo, Director - International Sales, ZymeFlow, Inc.
14.30-14.50	Direct Combustion Zone Monitoring and Flare Emission Compliance: Zeeco ViZion™ by: Chandler Smith, Application Engineer: Flare Engineered Solutions, Zeeco Inc./ Enfourtech
14.50-15.10	Enhancing Heat Exchanger Performance Optimising Production and Reducing Energy by: Nathan Hill, Lead Technical Engineer, Calgavin
15.10-15.40	Exhibitor Hour & Coffee Break
15.40-16.00	Reducing Methane Slip and Recycle Rates Through Advanced Packed Bed Design in a Demethanizer Column by: Ian Buttridge, Vice President of Technology, GTI Solutions / Luis Torres, Chemical process engineer, Braskem Idesa
16.00-16.20	From Chemistry to Digital Intelligence: Performance Optimization in Hydrocarbon Processing Plants by: Eak Sakolarj, Country Manager- Thailand, Dorf Ketal
16.20-16.40	Raman Applications in Polymer Industry by: Shobha Nagappayya, Scientist, Endress+Hauser AG
16.40-17.00	An Innovative Preservation Program for Cooling Water Facility improved system reliability and reduce operation cost by: Dr. Lei Wen, Principal Industry Technical Consultant – Southeast Asia, Nalco Water
17.00-18.30	Evening Happy Hour +Sponsor (Snack and Drink)

Session : AI-Driven Intelligent Operations and Process Excellence Meeting Room: Dusit 1
Timing: 09:00-12:10
 M/C: Assoc. Prof. Dr. Khanin Nueangnoraj

9:00-9:10	Opening Session : Manage by MC (prepare special VDO in opening)
9:10-9:30	From Molecules to Metrics: Physics-Informed AI/ML - Hybrid Models to achieve Operational Excellence in Refinery & Petrochemicals Complex by: Shailesh Bansal, Business Development Manager, Lummus Digital
9:30-10:00	Engineering Outcome-Based Digital Transformation with Honeywell AutonomyX by: Brendon Tan, Regional Business Leader, South East Asia Honeywell Connected Industrials"
10:00-10:20	From Automation to Autonomy: AI-Driven Process Control and Asset Management for Safer, More Cost-Effective Manufacturing by: Kah-Ming Chai, Executive Consultant, Yokogawa Electric Corporation
10:20-10:40	Navigating Global Uncertainties by Quantifying Supply Chain Resilience Using Quantum-Inspired Techniques by: Dr. Jirawat Tangpanitanon, CEO & Co-founder, Quantum Technology Foundation (Thailand)
10:40-11:10	Exhibitor Hour & Coffee Break
11:10-11:30	From AI Adoption to Agentic Factory: 4 Waves and 5 Strategies for Manufacturing Success by: Phiphat Prapapanpong, Big Data & Advanced Analytics Director, Bluebik
11:30-11:50	Industrial Intelligence: Agentic AI and Physics-Based Simulation for End-to-End Optimisation of Complex Process Plants by: Oystein Hole, Chief Product Officer, Kongsberg Digital
11:50-12:10	Imubit's AI Optimization in Closed Loop Control for Plant Operation by: Edison Tan, Consultant, Imubit
12.10-13.30	Lunch & Exhibition Booth Visit (80 min.)

Session: Innovative energy solution for sustainability Meeting Room: Dusit 1
Timing: 13:30 –16:30
 M/C: Mr.Rangsalid Panyadee, Mr.Kitsanan Jarirat

13:30-13:50	Opening Session Thanate Sakunrutsakol, Senior manager Process Engineering and Optimization, IRPC, Head of CoP Energy
13:50-14:10	Transforming Thermal Images into Energy Savings Using AI-Based Integrity Assessment of Insulated Piping Systems Associate Prof. Chanin Panjapornpon, Kasetsart University
14:10-14:30	Within & Beyond The Pumps : How DrM FUNDABAC Filter serves as an excellent energy saver in both scenarios Sauvik Dutta, Executive Director -Sales & Marketing, DrM
14:30-14:50	China's SMR Development and Contributions to Petrochemical Industry Chen Fangjun, Representative of Thailand, CNNC Asia
14:50-15:20	Exhibitor Hour & Coffee Break
15:20-15:40	Overview of KUBOTA's High-performance Centrifugally Cast Tubes for Cracking and Reforming Furnaces Taichi Yamao, Engineer, Kubota Corporation
15:40-16:00	Drive Profit and Decarbonization in Fired Heaters with High Emissivity Coating Jaturong Jitputti, Senior Researcher-Bio Circular Green, SCGC
16:00-16:20	Fast-Track Energy Reduction through ≥95% Fired Heater Efficiency Charlie Chou, Global Licensing Director, Sulzer Chemtech
16:30-17:00	Closing Session & Lucky draw MC
17:00-18:30	Evening Happy Hour +Sponsor (Snack and Drink)

AI-Driven Intelligent Operations and Process Excellence

Innovative energy solution for sustainability

Process Excellence and Optimization; Efficiency Enhancement

TNChE Asia 2026 INSPIRING Innovations and Digital Solutions for Asia Sustainability

Conference Programme Day 3 | 11th June 2026

Session : Turning Process Safety Management (PSM) into Performance. Meeting Room: Napalai E
Chemical Process Safety
Timing: 09:00-12:00
 Opening Remarks by: Worachai Puvisitkul, Olefins Safety & SD Management Manager, SCGC

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| 09.00-09.30 | Our future vision
Opening Remarks : Worachai Puvisitkul, Olefins Safety & SD Management Manager, SCGC |
| 09.30-09.50 | Safety Moment
by: Vorachatra Sukwattanajaron, Senior Process Safety Engineering, SCGC |
| 09.50-10.10 | Implementing a Technical Authority System for Effective Technical Governance.
by: Ummara Sittiwong, Assistant Manager-Technical Competency Development, Thai Oil. |
| 10:10-10.30 | Process Safety Time (PST): The Hidden Clock Behind Loss of Containment.
by: Apipol Soponpalarom, Technical Safety Engineer, Chevron Thailand Exploration and Production, Ltd |
| 10.30-11.00 | Exhibitor Hour & Coffee Break |
| 11.00-11.20 | Challenges in Safety Barrier Identification and Control.
by: Shivaprakash Ponniah, Principal Consultant, IRESC. |
| 11.20-11.40 | Elevating PHA Quality for Sustainable Process Safety
by: Sitthichai Tangsatjatham, Expert-Process Risk, Safety Excellence Center, SCGC. |
| 11.40-12:00 | I – Risk Management.
by: Thanadon Thongwut, Operation Engineer, IRPC. |
| 12.00-13.30 | Lunch & Exhibition Booth Visit (90 min.) |

Session : Turn compliance based PSM into performance based by using other tools such as digital, AI or any effective working methods Meeting Room: Napalai E
Timing: 13:30-16:00

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| 13.30-13.50 | Common Mistakes in Pressure Safety Valve Sizing and How to Avoid Them.
by: Suradech Kongkiatpaiboon, Senior Process Engineer, Chevron Thailand Exploration and Production, Ltd. |
| 13.50-14.10 | DIY Smart Bow-Tie Barrier Health Monitoring for Enhancing PSM Performance
by: Marisa Palanor, Process Engineer & Atchara Panthasri, Senior Safety Engineer, PTTGC |
| 14.10-15.00 | Exhibitor Hour & Coffee Break |
| 15.00-15.20 | SIF Design Challenges IN Ethylene Plant
by: Anurag Mishira, Principal Consultant, IRESC |
| 15.20-16.00 | Lucky drawn/ Next Host Handovers and Closing Ceremony/Group photo
by: Representative from SCGC & PTTGC |
| 17.00-18.30 | Evening Happy Hour +Sponsor (Snack and Drink) |

Session 3: Innovative energy solution for sustainability Meeting Room: Dusit 1
Timing: 09:00-12:00
 Session Chairs: Ekachai Chotanapanich, Piyada Tantawee

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|--------------|---|
| 9:00-9:10 | Opening Session
MC |
| 9:10-09:30 | Integrating EGF as the first-stage flaring solution to improve reliability and safety while reducing emission
by: Bruno Beaumin- John Zink Flare Application Manager, John Zink |
| 9:30-09:50 | Practical optimization to minimize energy Use: Lessons from Research, Engineering, and Proven Economic Payback
by: Martin Gough, Managing Director, CALGAVIN Ltd |
| 09:50-10:10 | Technical Considerations for Centrifugal Compressor Optimization and Electrification
by: Das Swaroop, Regional Sales Manager, Ebara Elliott Energy |
| 10:10-10:30 | Can We Electrify the Petrochemical Industry?
by: Wiroon Tanthapanichakoon, Managing Director, Global R&D CO.,LTD. |
| 10:30 -11:00 | Exhibitor Hour & Coffee Break |
| 11:00-11:20 | Cold Energy Utilization of Liquefied Natural Gas (LNG) in Olefins Process
by: Peter Kuzma, Jr. Technology Director, Ethylene Business Group, Lummus Technology/
Piyaporn Pongbhai Division Manager- Specialized in Olefins, Technology Department, PTT Global Chemical |
| 11:20-11:40 | Advanced Adsorbent Technology Drives the Future of Energy
by: Himanshu, Country Head- Middle East and India, Jalone (Thailand) Co., Ltd. |
| 11:40-12:00 | Closing Session & Lucky draw |

Session: The Scale-Up Challenge: Closing the Loop Between Academia and Industry Meeting Room: Dusit 1
Timing: 13:30 –16:30
 Opening Remarks by: Assoc. Prof. Dr. Weerawut Chaiwat
 Session chair: Asst. Prof. Dr. Rungthiwa Methaapanon, Asst. Prof. Dr. Kritchart Wongwailikhit

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|-------------|--|
| 13.30-13.50 | Minimizing Lab-Pilot Plant Testing R&D-Scaleup Costs and Time by Standard Catalogue Reactor Solutions and Advanced Conceptual Process Design (CPD)
by: Wiroon Tanthapanichakoon, Managing Director, Global R&D CO.,LTD. |
| 13.50-14.10 | Scale-up of Low-temperature Alcohol-assisted Methanol Synthesis from CO2 and H2: Reactor Scale Up From Lab Scale (TRL 1) to Demonstration Scale (TRL 4)
by: Assoc.Prof.Dr.Apinan Soottitawat, Chulalongkorn University |
| 14.10-14.30 | Multiscale Simulation for Net-Zero Carbon Capture in MOF-Based Porous Media
by: Supitcha Sri-indrangkura, Assistant Technical Manager, CADIT (Thailand) Co., Ltd. |
| 14.30-15.00 | Exhibitor Hour & Coffee Break |
| 15.10-15.30 | From Laboratory Innovation to Industrial Production – Scalable Process Solutions with Eirich Multi Process Technology
by: Ralf Peter LOEBE, Senior Manager Technical Process Consultant, Maschinenfabrik Gustav EIRICH |
| 15.30-15.50 | Integrated of Advanced Oxidation Processes for Decentralized Tap Water and Drinking Water Treatment: From Laboratory Scale to Demonstration Unit
by: Jedsada Chuiprasert, Postdoctoral Researcher, Mahidol University |
| 15.50-16.10 | Process development of lower olefins synthesis using carbon dioxide
by: Yushi Kameoka, Assistant Manager, IHI Corporation |
| 16.10-16.30 | Sustainable Prototype Pilot Plant for Advanced Functional Carbon Production in a Circular and Low Carbon Economy
by: Pongtanawat Khemthong, Principal Researcher, National Science and Technology Development Agency (NSTDA) |
| 16.30-16.50 | Building a CO/CO₂-to-Methanol Platform: Technology, Integration, and Implementation Strategy
by: Chayanee Peungkiatpairote, Researcher, SCGC |
| 17.00-18.30 | Evening Happy Hour +Sponsor (Snack and Drink) |

Innovative energy solution for sustainability

The Scale-Up Challenge: Closing the Loop Between Academia and Industry

Turning Process Safety Management (PSM) into Performance.Chemical Process Safety
 Turn compliance based PSM into performance based by using other tools such as digital, AI or any effective working methods

Overview TNChE Asia 2026

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Collaborating organization



TNChE Asia 2026

Registration fees at a glance

Online Pre-Registration is strictly required, except in special cases.

Early-Bird Pre-Registration must be completed and the **applicable** fees paid by **May 20, 2026**

Not-Early-Bird Pre-Registration includes onsite walk-in registration.

All Onsite Registration fees and categories below include hotel-served lunch & 2 coffee breaks with snacks (worth 1,400 THB/Day).

****Note that any new applications to become members of TIChE in order to enjoy special rates of TNChE participation must be done at least 5 days before the deadline of the Early-Bird.**

One-year complimentary (free) TIChE “General membership” shall be offered automatically to all paying TIChE non-member participants.

Early bird
registration
opens soon at



Onsite Participation

All selected events (with e-Certificate of Attendance + hotel-served lunch & 2 coffee breaks with snacks worth 1,400 THB/Day)
(Free online access 3 days)

Type of Participants	Early-Bird	Not-Early Bird
Invited speakers; Corporate Chair Members, Exhibitor Guests	Free (3 day)	Free (3 day)
TIChE Ordinary, Non-ordinary, Student; Juristic Members	1,000 THB (Per day) 1,500 THB (Full 3 days)	1,500 THB (Per day) 2,500 THB (Full 3-days)
Others / Public	1,500 THB (Per day) 4,000 THB (Full 3 days)	2,000 THB (Per day) 5,000 THB (Full 3 days)

Online Participation

(1-3 Days)

(All events **except** onsite - Exhibitions)
Deadline for pre-registration for online participants: **May 15, 2026.**
No Online registration will be accepted after this deadline.

Type of Participants	Registration Fee
TIChE members* (all categories)	Free
Others/Public	2,000 THB

Onsite Exhibition-Only Visitors: Free-of-charge for all **pre-registered onsite participants** who want to only visit exhibitions **without** enjoying hotel-served lunch & 2 coffee breaks with snacks; in case of **walk-in exhibition-only participants**, a fee of **500 THB** for onsite registration will apply. Free access for TIChE member (all categories)

TNChE Asia 2026



TIChE

Established in 1996, the Thai Institute of Chemical Engineering and Applied Chemistry (TIChE) is a non-profit organization and Thailand's leading network for chemical and related process industry professionals. We empower members through professional development, industry-readiness programs, and support for innovative research aligned with global trends. TIChE fosters collaboration, advocates for industry advancement, and drives sustainable growth, shaping the future of the process industries in Thailand.

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TNChE Asia 2026

Save the date

9th – 11st June 2026

Dusit Thani Pattaya Hotel, Chonburi



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