

PSE Asia Series

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9th

PSE Asia

Asian Symposium on Process Systems Engineering

4-6 Nov 2020

Taipei

<https://PSEAsia2020.org>

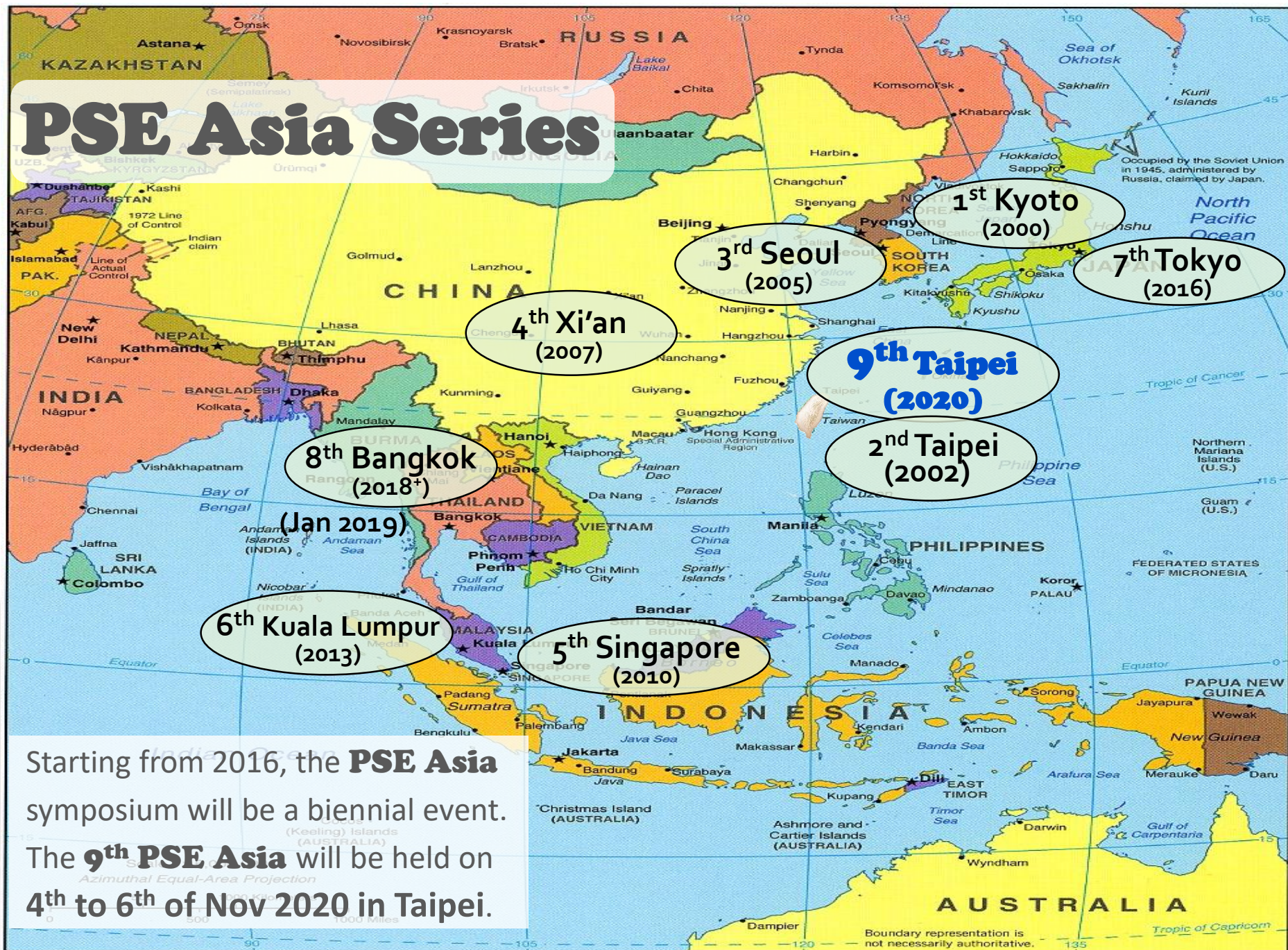


Cheng-Liang Chen

**Department of Chemical Engineering
National Taiwan University**



PSE Asia Series



Starting from 2016, the **PSE Asia** symposium will be a biennial event. The **9th PSE Asia** will be held on **4th to 6th of Nov 2020** in Taipei.



Standing Committee

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* Chair of PSE Asia Standing Committee (2019/1 – 2020/12)

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Viknesh Andiappan	Heriot-Watt University Malaysia	Kuala Lumpur	V.Murugappan@hw.ac.uk

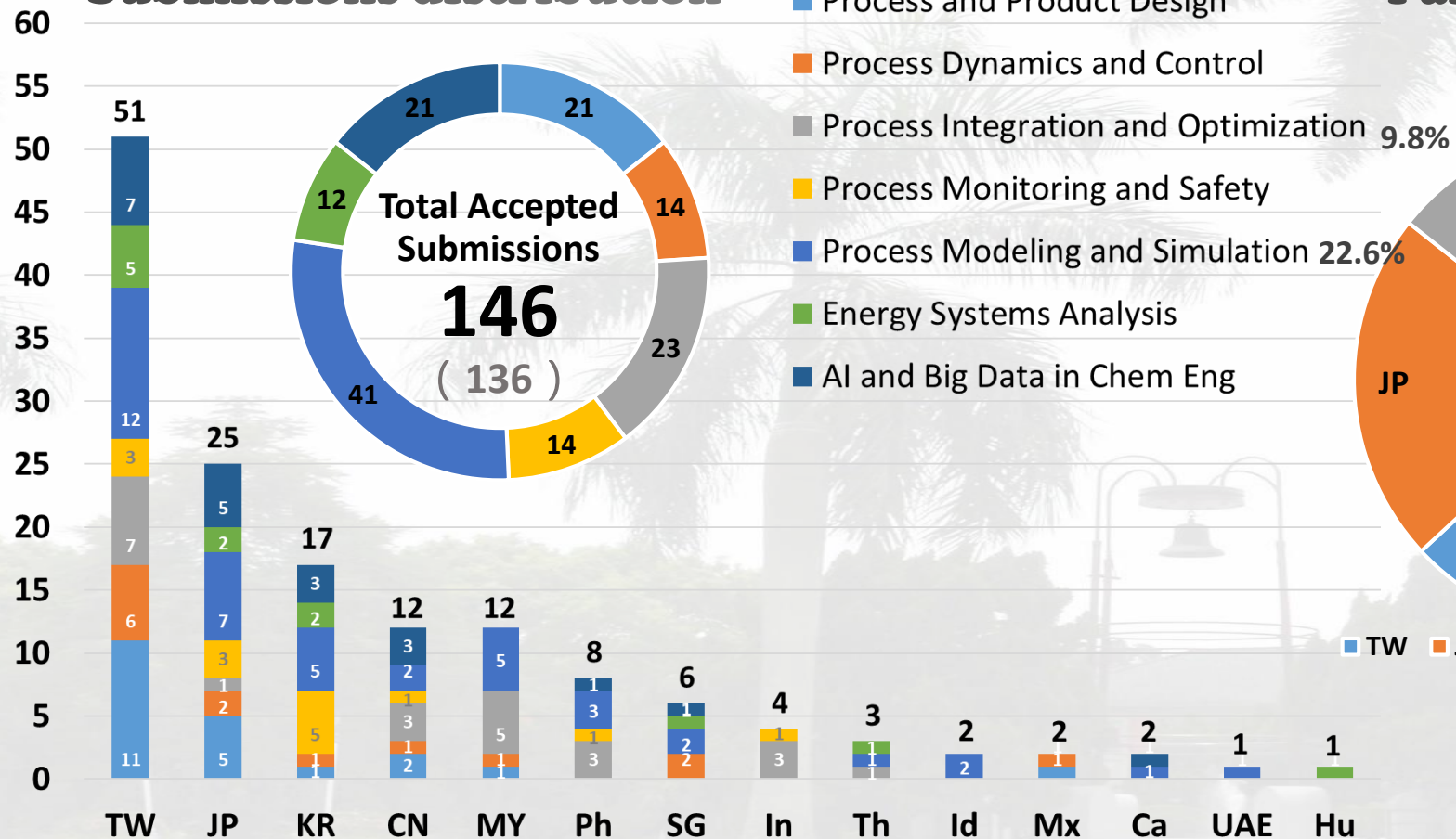
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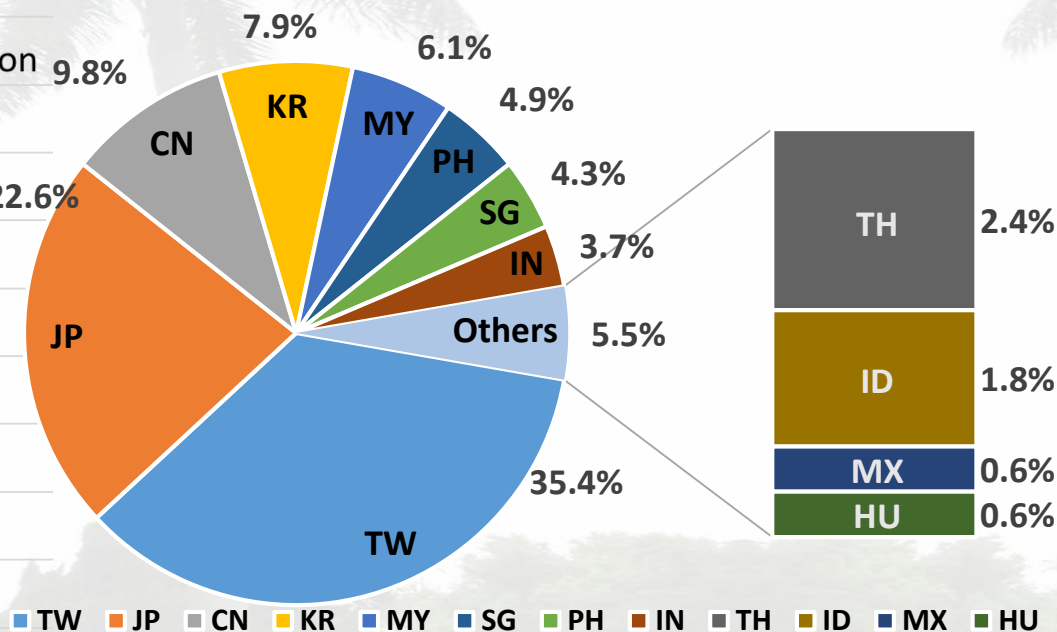


Submissions & Participants Distribution in 9th PSE Asia 2020

Submissions distribution

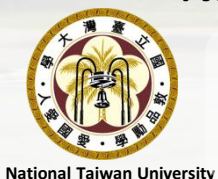


Participants distribution



It is expected that **164 participants** from **12 regions** will attend this conference, and they are authors, standing committee, invited guests, keynote speakers, and chairs.

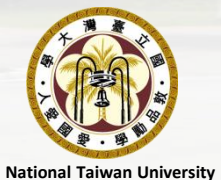
In order to encourage the **cross-border cooperation**, if the authors in each submission come from two or more regions, it will be **counted as submission from each region**.



Original Technical Program

5 Nov (Thu)		6 Nov (Fri)	
8:50 - 9:10	Opening		
9:10-10:30	Keynotes 1/4 50+30 min	9:00-10:30	Keynotes 3/4 3x30 min
10:30-10:50	Break 20 min	10:30-10:50	Break 20 min
10:50-12:20	Oral 1/4 3 6x15 min	10:50-12:20	Oral 3/4 3 6x15 min
12:20-13:30	Lunch 70 min	12:20-13:30	Lunch 70 min
13:30-15:00	Oral 2/4 3 6x15 min	13:30-15:00	Oral 4/4 3 6x15 min
15:00-16:00	Poster 1/2 60 min	15:00-16:00	Poster 2/2 60 min
16:00-17:30	Keynotes 2/4 3x30 min	16:00-17:30	Keynotes 4/4 3x30 min
10-15 min walk to Just Italian		17:30-17:50	Closing
18:00-20:00	Welcome (Just Italian)	18:30-20:00	Banquet (Howard)

50 min for **1** Plenary Speaker (after opening on 1st day)
 30 min for each Keynote Speaker (**10** Keynotes)
 15 min for each Oral Presentation
 72 Orals (12 oral sessions in 4 time slots)
 60+ Posters (2 poster sessions in two days)



Updated Technical Program

Asynchronous Webinar

Open — 4 Nov (Wed) 10:00 (Taipei Time Zone) Close — 6 Nov (Fri) 17:00

VIP Session (9 Keynote Speakers)

Raymond Tan, Jinsong Zhao, Renanto Handogo

Process and Product Design

J. Rafael Alcantara Avila, Hao-Yeh Lee, Xigang Yuan, I-Lung Chien

Process Dynamics and Control

Yoshiyuki Yamashita, Anikesh Kumar, Jia-Lin Kang

Process Integration & Optimization

Dominic Foo, Santanu Bandyopadhyay, Jeffrey Ward, Jian Du

Process Monitoring and Safety

Rajagopalan Srinivasan, Jong Min Lee, Dongil Shin

Process Modeling and Simulation

Manabu Kano, Jin-Kuk Kim, Denny Ng, Jialin Liu,
Kathleen B. Aviso, Yoshiaki Kawajiri, Bor-Yih Yu

Energy Systems Analysis

Yasunori Kikuchi, Wei Wu, Jyh-Cheng Jeng

Artificial Intelligence in Chem Eng

Junghui Chen, Cheng-Che Hsu, Masaru Noda, Xiaonan Wang, Yuan Yao

Due to COVID-19 pandemic, the **9th PSE Asia 2020** is converted to **an Asynchronous Webinar**

Special thanks to the *Digital Learning Center* NTU for technical support  國立臺灣大學教務處
數位學習中心



Updated Conference Structure

Asynchronous Webinar <https://pse2020.dlc.ntu.edu.tw/>

- ✓ *NO Poster presentations.*
- ✓ *All presenters are requested to upload presentation video via <https://pseasia2020.org/video-upload>.*
- ✓ *Participants can watch all presentation videos at any time during **10:00 4th Nov – 17:00 6th Nov, 2020** (55 hours in total)*
- ✓ *Downloading or capturing video(s) are prohibited*
- ✓ *Participants can leave questions to all presenters at any time
Presenters can reply the questions instantly or later
Presenters should check presentation video often for reply questions*
- ✓ *Special Issues:*
 - J TIChE (Edited by Jeffrey Ward and Hao-Yeh Lee)*
 - Process Integ. & Opt. for Sustainability (Edited by Kathleen B. Aviso and Jui-Yuan Lee)*
- ✓ *Registration: **USD 100** (for each presentation and all other participants)*



Important Information



 **9th PSE Asia** **Asynchronous Webinar** **Asian Symposium on Process Systems Engineering**
4 (10:00) – 6 (17:00)
Nov 2020
Taipei Time Zone
<https://PSEAsia2020.org>
Kyoto (2000) Taipei (2002) Seoul (2005) Xi'an (2007) Singapore (2010) Kuala Lumpur (2013) Tokyo (2016) Bangkok (2019)

9th PSE Asia 2020 – Asian Symposium on Process Systems Engineering

Webinar : <https://pse2020.dlc.ntu.edu.tw/>

Date : 04 Nov 2020 (10:00) – 06 Nov 2020 (17:00), Taipei Time Zone (GMT+8)

Chair : Cheng-Liang Chen, National Taiwan University

Contact : CCL@ntu.edu.tw

Course Invitation Letter

Course Invitation



Chair, 9th PSE Asia 2020 <ccl@ntu.edu.tw>

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[Chrome](#), [Firefox](#), [Safari](#) or [Edge](#)

You've been invited to participate in a class at pse2020.dlc.ntu.edu.tw. The class is called 9th PSE Asia 2020. Course role: Participants

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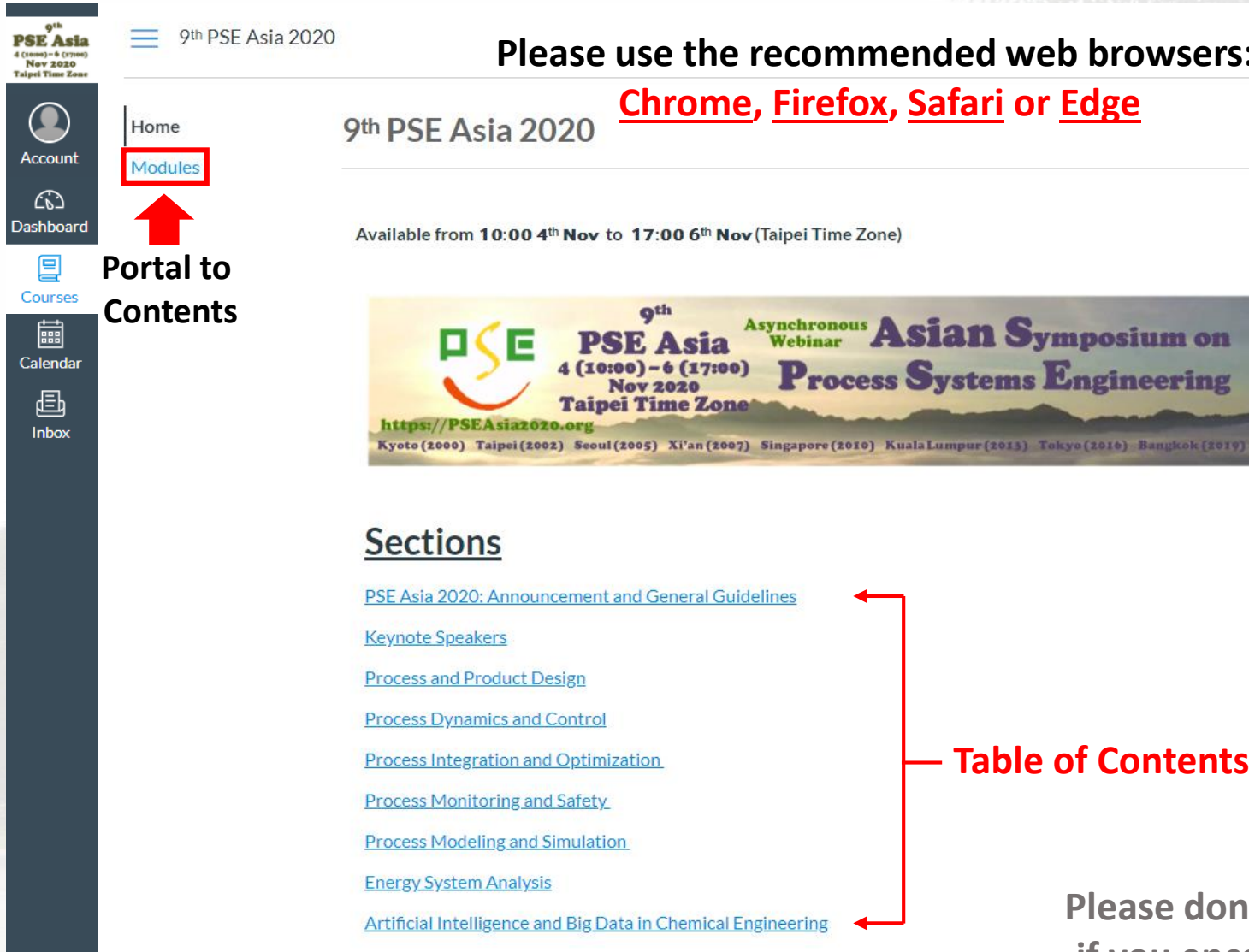
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9th PSE Asia 2020

Available from **10:00 4th Nov** to **17:00 6th Nov** (Taipei Time Zone)

9th PSE Asia
4 (10:00) - 6 (17:00)
Nov 2020
Taipei Time Zone

Asynchronous Webinar Asian Symposium on Process Systems Engineering

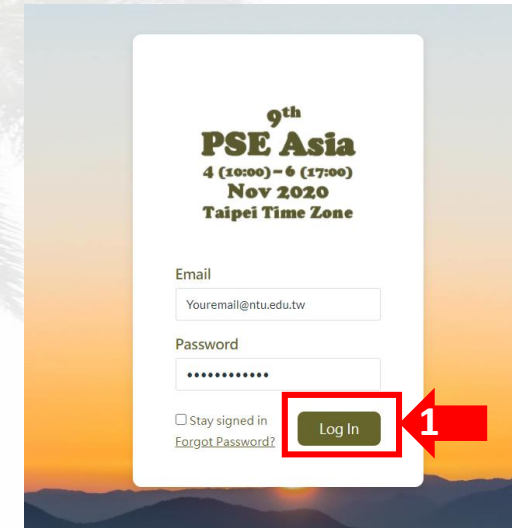
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Sections

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- [Process and Product Design](#)
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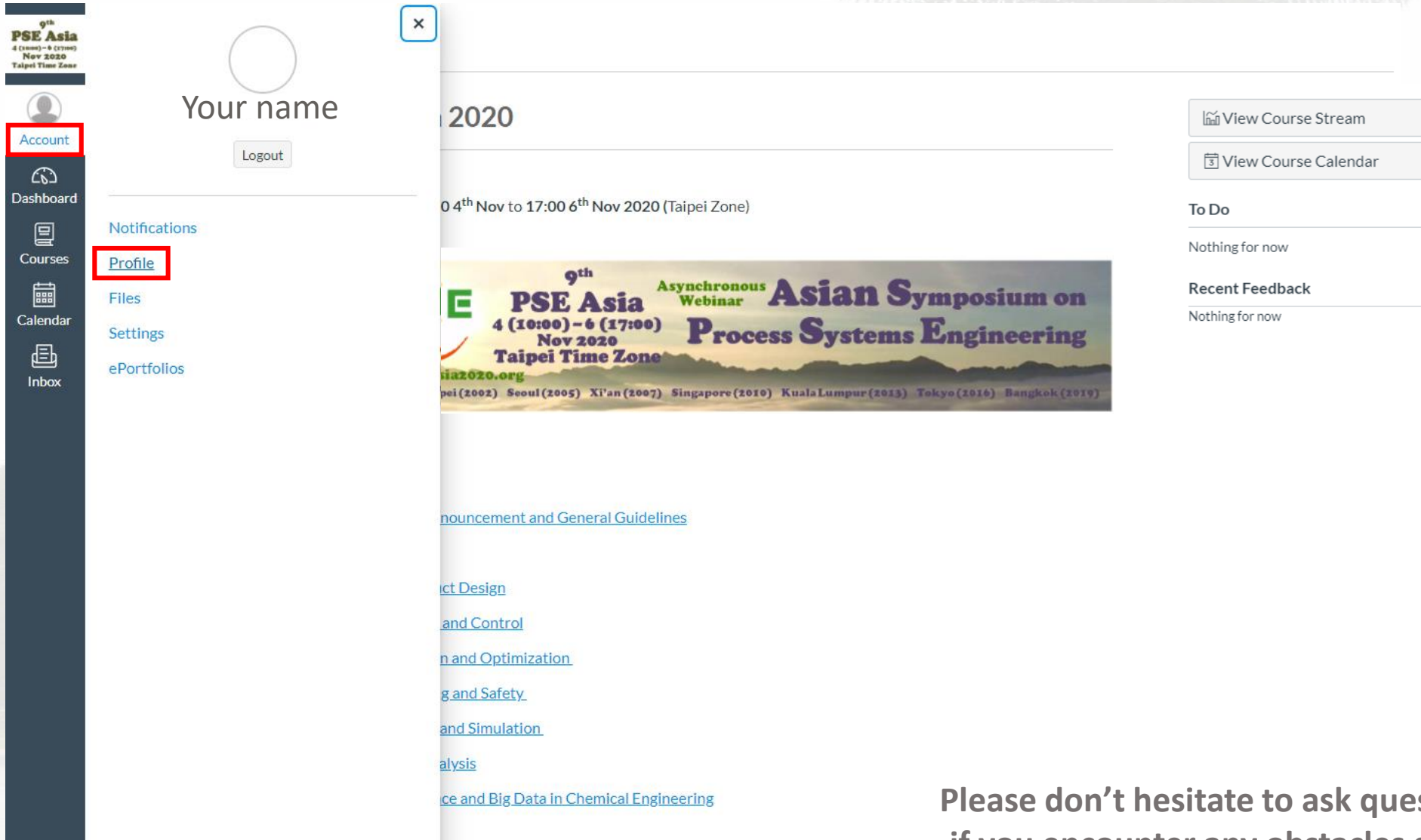
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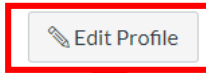
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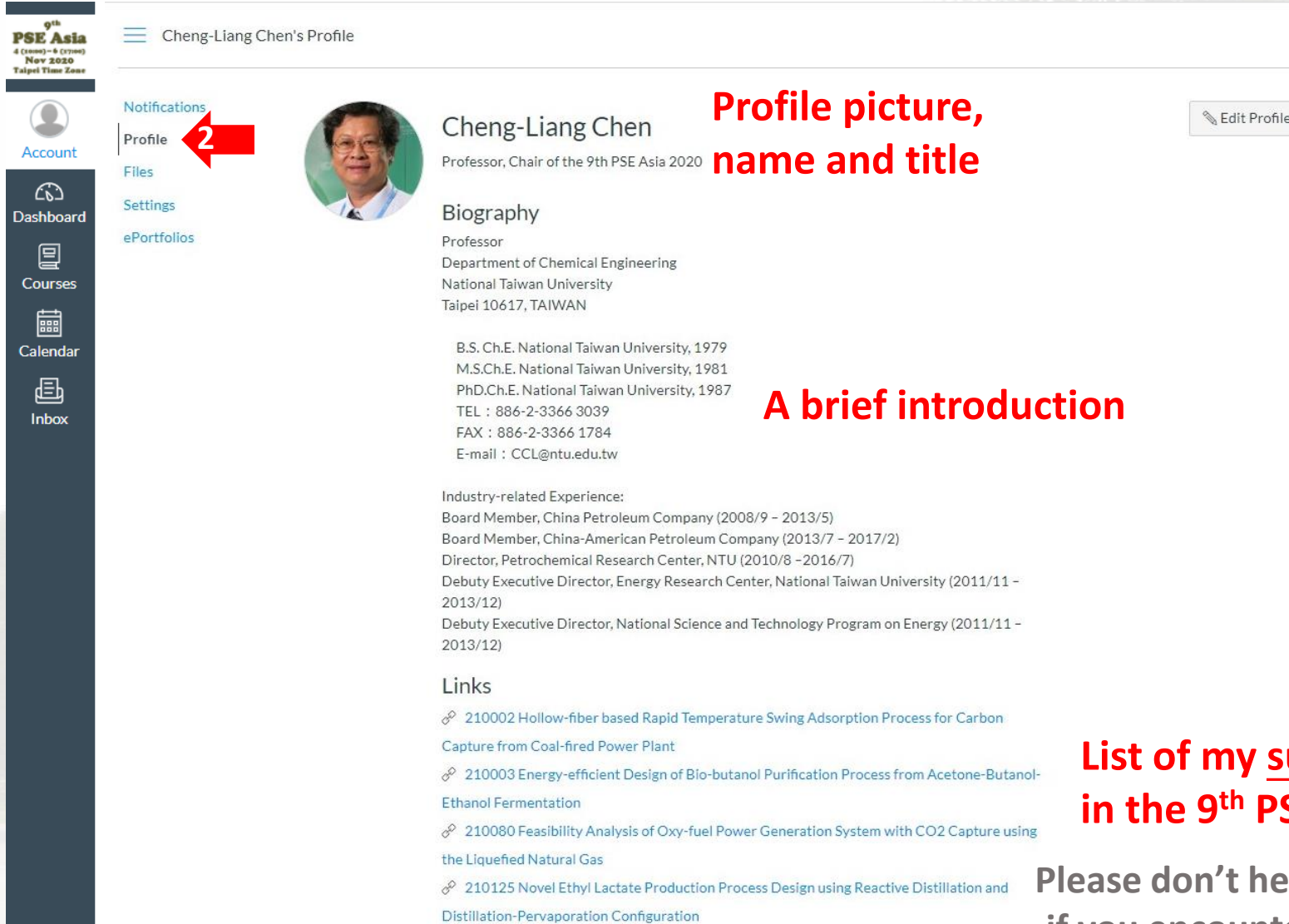
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Cheng-Liang Chen's Profile

Profile picture, name and title

A brief introduction

List of my submissions in the 9th PSE Asia 2020

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 Press **Ctrl + F** to search
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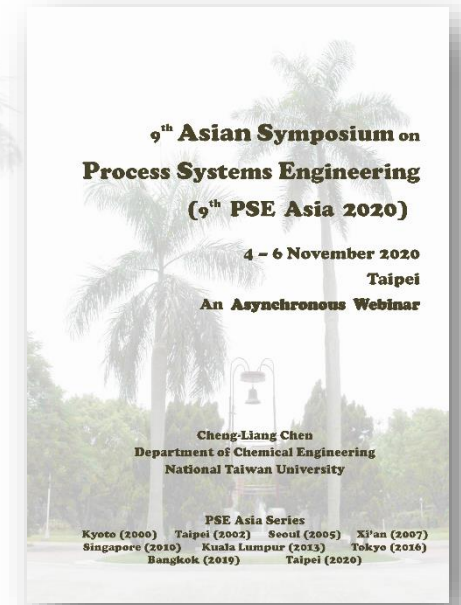
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- 9th PSE Asia 2020: Announcement and General Guidelines **Announcement**
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- 9th PSE Asia 2020 Webinar User Guideline for Participants.pdf

- Keynote Speakers **It is available from 10am on 4th November to 5pm on 6th November 2020**
 - Chair : Raymond Tan** (210077-210089)
 - 210077 Bayesian approaches for chemical process modeling
 Prof Yoshiaki Kawajiri, (Nagoya University);
 - 210084 QMaC A Quantum mechanics Machine learning-based Computational tool for chemical product design
 Dr Lei Zhang, (Dalian University of Technology); Mr Qilei Liu, (Dalian University of Technology); Dr Linlin Liu, (Dalian University of Technology); Prof Jian Du, (Dalian University of Technology);



Section's Chair

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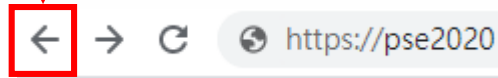
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210077 Bayesian approaches for chemical process modeling

Bayesian approaches for chemical process modeling

November 2020
Asian Symposium on Process Systems Engineering

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1x
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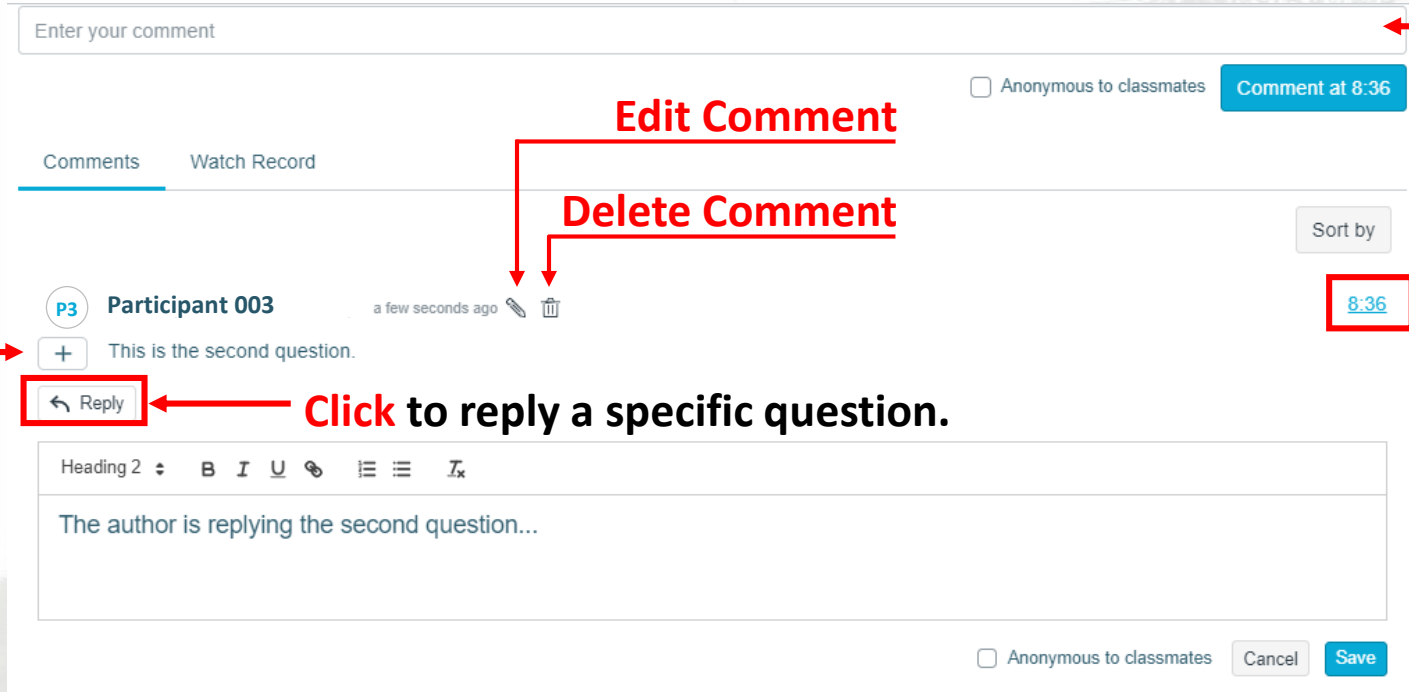
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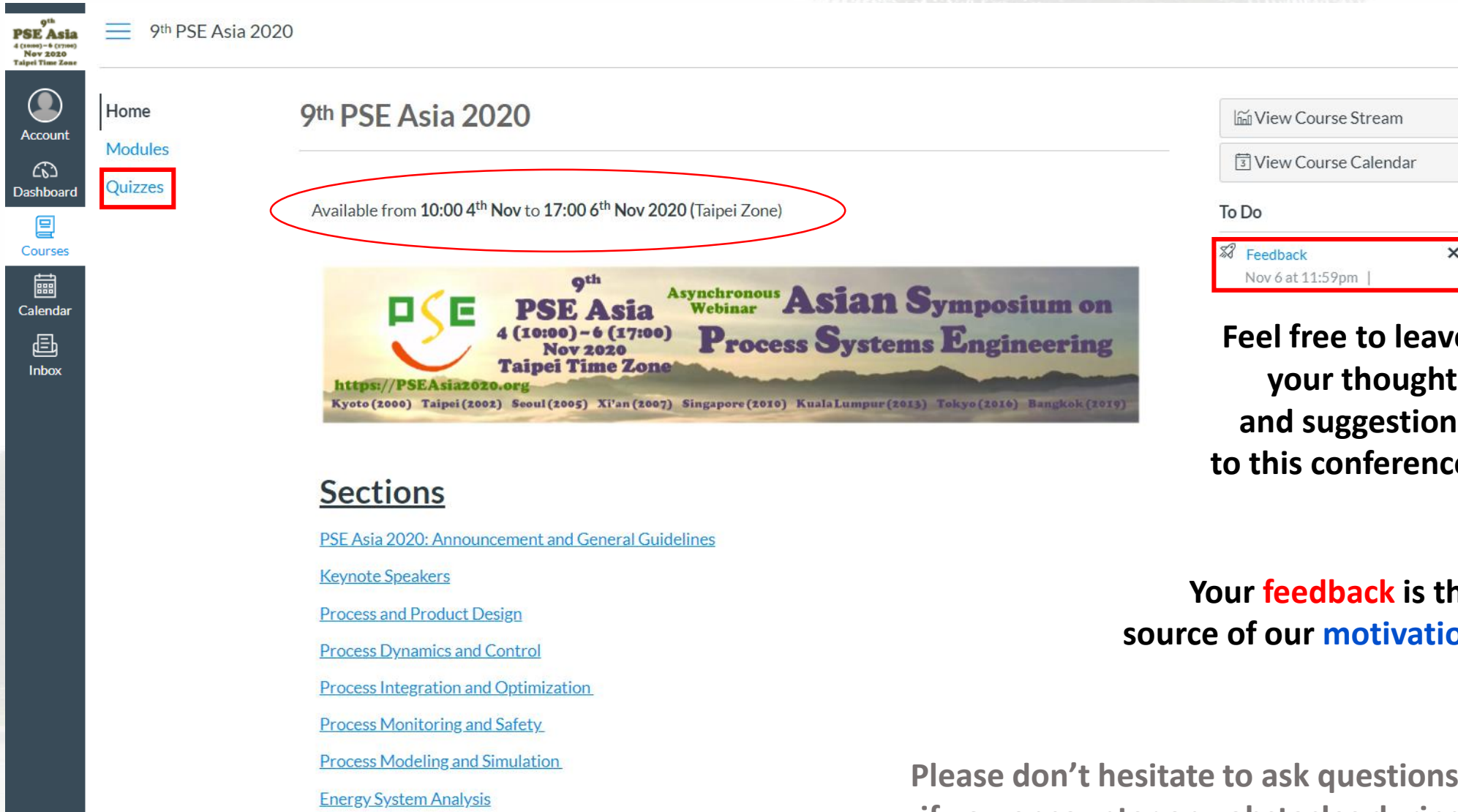
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Please don't hesitate to ask questions below this video, if you encounter any obstacles during the conference.

Quizzes – Feedback



9th PSE Asia 2020

Available from 10:00 4th Nov to 17:00 6th Nov 2020 (Taipei Zone)

9th PSE Asia 2020
 Asynchronous Webinar
Asian Symposium on Process Systems Engineering
 4 (10:00) – 6 (17:00) Nov 2020
 Taipei Time Zone
<https://PSEAsia2020.org>
 Kyoto (2000) Taipei (2002) Seoul (2005) Xi'an (2007) Singapore (2010) Kuala Lumpur (2013) Tokyo (2016) Bangkok (2019)

Sections

- [PSE Asia 2020: Announcement and General Guidelines](#)
- [Keynote Speakers](#)
- [Process and Product Design](#)
- [Process Dynamics and Control](#)
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- [Process Monitoring and Safety](#)
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To Do

- Feedback Nov 6 at 11:59pm |

Feel free to leave your thoughts and suggestions to this conference

Your **feedback** is the source of our **motivation**

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Host for 10th PSE Asia 2022 & 11th PSE Asia 2024

Decision of Standing Committee

- It was proposed in 2016 that going forward the conference remain **biennial**, and the host be decided four years in advance to allow enough time for preparations.
- Hosts of the **10th PSE Asia 2022** & **11th PSE Asia 2024** are decided this year. Host of the **12th PSE Asia 2026** will be determined on 2022.
- Host of the **10th PSE Asia 2022** will be the Chairperson of the PSE Asia Standing Committee starting from January 2021.
- Host of the **11th PSE Asia 2024** will be the Chairperson of the PSE Asia Standing Committee starting from one month (roughly) after the end of the **10th PSE Asia 2022**.
- The new chairperson will invite each country/area to confirm new local Standing Committee members (3 representatives in general).
Chair can also consider to invite new countries/areas to join in Standing Committee.



Host for 10th PSE Asia 2022 & 11th PSE Asia 2024

Decision of Standing Committee



Starting from 2016, the **PSE Asia** symposium will be a biennial event.

9th PSE Asia 2020 in Taipei

10th PSE Asia 2022 in Chennai

11th PSE Asia 2024 in Kuala Lumpur



Host for 10th PSE Asia 2022 & 11th PSE Asia 2024

Decision of Standing Committee

10th PSE Asia 2022 Chennai



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11th PSE Asia 2024 Kuala Lumpur



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Kyoto (2000)

Taipei (2002)

Seoul (2005)

Xi'an (2007)

Singapore (2010)

Kuala Lumpur (2013)

Tokyo (2016)

Bangkok (2019)



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**Comments and Suggestions
are Welcome**

Thank you

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