

2nd Process Control Virtual Symposium 2024 (PCVS 2024)

4th – 5th SEPTEMBER, 2024

ONLINE VIA MICROSOFT TEAM

“Navigating Industry
Towards Sustainability
Through Process System
Engineering”



Preamble

Following the successful organization of the first Process Control Virtual Symposium in December 2023, the Malaysia Process Control Society (MyPCS) has found that there is a need for a cost-effective virtual platform through which academicians and industrialists can have a stimulating exchange of ideas to advance research and education related to the process control discipline. As a sequel to the first PCVS, MyPCS is proud to organize the second PCVS, 4th - 5th September 2024 covering the following activities:

- 1) Process Control Education Workshop
- 2) Oral presentation
- 3) MATLAB project competition

Who should participate and benefits

The symposium encourages participation from the academia (e.g., researchers and lectures) and industry (e.g., engineers and managers). The benefits for the participants include the following:

- Best paper awards
- Best MATLAB project awards (gold, silver and bronze medals)
- Keynote speakers from academia and industry

The registration (as a presenter or non-presenting audience) is free-of-charge.

The full papers will be published in the special issue (2024 edition) in the ASEAN Journal of Process Control (AJPC) after undergoing the peer-reviewed process.

CONTACT PERSON



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Extended Dates Paper submission time-line

Call for papers	10/05/2024
Abstract submission due date	30/06/2024 30/07/2024
Abstract acceptance notification	15/07/2024 12/08/2024
Registration opens	15/07/2024 12/08/2024
Full paper submission due date	TBA

The due date for the final paper submission will be announced at the symposium, 5th September 2024

MATLAB project competition

Call for projects	10/05/2024
Project summary submission due date	30/06/2024 30/07/2024
Project acceptance notification	15/07/2024 12/08/2024
Project registration opens	15/07/2024 12/08/2024



<https://mypcs.com.my/pcvs2024>

Research Topics

The papers presented at the symposium will cover the following topics:

- Process control education
- Process modeling, control, and simulation
- Process optimization and design
- Machine learning
- Fault tolerant and analysis
- Digital twins
- IoT in process control applications
- Process systems: Energy, Pharmaceutical and Wastewater
- Other related process system engineering topics

The oral presentation duration is 15 minutes including 3 minutes for the Q&A. The paper presented cover the following types: (1) original research, (2) concept papers, (3) review papers, (4) industrial surveys, and (5) industrial-related problems.

“THE HUMAN FOOT IS A MASTERPIECE OF ENGINEERING AND A WORK OF ART.”

LEONARDO DA VINCI

MATLAB Project Topics

The participation is opened to graduate (Master/PhD) and undergraduate students as well as to academic staff. The project submitted can be the work an individual or a group consisting of two or more members.

The MATLAB project competition is assessed based on the presentation and exhibition (15 minutes including Q&A).

Submission links

Abstract submission:

<https://forms.office.com/r/vy1Q0LQh48>



MATLAB project registration:

<https://forms.office.com/r/DxV5wPWxQr>



TENTATIVE PROGRAM

Day	Morning	Afternoon
4 Sept. 2024	Welcome by Chair Keynote 1 Oral presentation	Keynote 2 Workshop
5 Sept. 2024	Keynote 3 Oral presentation MATLAB competition	Keynote 4 Oral presentation Forum Award ceremony