

AEC/APC Symposium Asia 2021 Call for Papers !

“AEC/APC in the SX / DX era”

- Solving issues and contributing to innovations through the data science -

Thursday, November 4, 2021

Tokyo, Japan

<https://www.semiconportal.com/AECAPC/>

Abstract submission start

Monday, May 17, 2021

Abstract submission due **<EXTENDED>**

Friday, July 16th, 2021

Notification of acceptance

Tuesday, August 24, 2021

Presentation materials due

**only for accepted authors*

Thursday, October 14, 2021

Online Abstract Submission Procedure:

- Prospective authors are requested to submit the abstract through web browser, consisting of exactly two pages of A4-paper size.

-The first page consists of the text (max of 1,000 words) and the second page consists of figures, supporting data, charts, photos and drawings.

-Only PDF files are compatible.

-The abstract must be written in English, using the online abstract submission form (MS word).

Information, templates, and other details are available on the website:

https://www.semiconportal.com/AECAPC/cfp_e.html

AEC/APC Symposium Asia is an annual conference of semiconductor manufacturing professionals dedicated to sharing technical solutions and opinions on the advancement of manufacturing science, technologies, and management disciplines.

In Japan, the 8th conference is called in this year event since the 1st conference of 2007. Since 2007, the conference has discussed the scientific manufacturing technology using the data which can monitor the manufacturing equipment and the process conditions. This year, the symposium puts the subtitle **“AEC/APC in the SX / DX era” - Solving issues and contributing to innovations through the data science -**

The symposium is a very good chance among the technical authorities from Japan and from out of Japan to share their knowledge and technologies in AEC/APC area. The symposium can also be a very good chance for the professionals of the process control industry such as semiconductor to meet and discuss.

Today, this area already forms the core part of the manufacturing engineering technology.

The role of this symposium is very important, since people can share the information and the directions of the process control improvement, the equipment productivity improvement, and the material source reduction for the future.

*AEC: Advanced Equipment Control

*APC: Advanced Process Control

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**AECAPC Symposium Asia 2021
Area of Interests**

Equipment and Process Control

FDC (Fault detection and classification)
SPC (Statistical process control)
Run-to-run Control
RMS (Recipe Management System)

Model-based Process Control

Physical and chemical process models
Soft sensor
Virtual metrology

Tool Data Acquisition and Analysis

Data collection
Sensor development
Failure and Yield Analysis
Statistical approaches
Bigdata Analysis
AI, Machine Learning
Enhanced equipment quality Assurance

APC Strategy

Future Needs and opportunities
SDGs (Sustainable Development Goals)
Standard

Region Expansion

Back-end process
MEMS (MEMS)
Display device
Solar panel
Battery

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AEC/APC Symposium Asia 2021 Advisor

Koji Maekawa

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AEC/APC Symposium Asia provides the opportunity to get insight in the latest status of AEC/APC and to network with your partners and potential customers.

For detail, please visit <https://www.semiconportal.com/AECAPC/>

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