

The 2nd Announcement and Call for Papers

The 11th International Conference on Leading Edge Manufacturing in 21st Century (LEM21)



December 1-5, 2025 | Itoman, Okinawa, Japan

Venue | Kuku Itoman (<https://www.kukuru-itomancity.jp/>)

Located about 10 km south of Naha airport
(Approx. 20 minutes by car; 1 hour by public transport)

Sponsored by:

Manufacturing and Machine Tool Division,
The Japan Society of Mechanical Engineers (JSME)

Co-sponsored by: Manufacturing Systems Division, JSME

Naha airport

● **Kuku Itoman** **Welcome to Okinawa:**

We are pleased to announce that the International Conference on Leading Edge Manufacturing in 21st Century (LEM21) will be held in Itoman, Okinawa, which is well-known as "Uminchu (Fisherman) City". This conference has been continuously held every two years, and it has been providing opportunities for researchers and engineers to exchange new ideas and to establish relations for collaboration.

Organized sessions (Oral):

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| OS01: Advanced machine tools | OS08: Forming technology |
| OS02: Mechatronics and robotics-integrated manufacturing | OS09: Electro-physical and chemical processes |
| OS03: Digital manufacturing (CAD, CAM) | OS10: Laser processing |
| OS04: Smart manufacturing (IoT, AI, CPPS) | OS11: Additive manufacturing |
| OS05: Cutting technology | OS12: Surface, tribology and structuring technologies |
| OS06: Grinding technology | OS13: Nano/Micro measurement and intelligent instruments |
| OS07: Finishing technology | |

Poster sessions:

PS : Poster presentation *1

GPS: General poster presentation *2

*1 : In case of too many oral applications, some of them may be assigned as poster.

*2 : Presentations will be open to the public. No peer review required.

Conference Committee:

- General Chair: Masako Sudo, Chief Technical Advisor, Fanuc Corporation
- Conference Co-chairs: Hiroyuki Sasahara, Professor, Tokyo University of Agriculture and Technology
Kazumasa Kono, General Manager, Makino Milling Machine Co.,Ltd
Takashi Matsumura, Professor, Tokyo Denki University
Yasuhiro Takaya, Professor, Osaka University
- Program Chairs: Yasuhiro Kakinuma, Professor, Keio University
Ryo Koike, Associate Professor, Keio University
Shuntaro Yamato, Associate Professor, Tokyo University of Agriculture and Technology
- Secretariats: Norikazu Suzuki, Professor, Chuo University
Shoichi Tamura, Professor, Tokyo Denki University
- Executing Committee: Shingo Tajima, Senior Assistant Professor, Meiji University
Ken Shimojima, Associate Professor, National Institute of Technology (Okinawa)
Yasuhiro Mizutani, Associate Professor, Osaka University
Atsushi Ezura, Associate Professor, Sanjo City University

Important dates for peer reviewed papers:

Deadline of paper application with abstract:	March 31, 2025
Notification of tentative acceptance based on abstract:	April 21, 2025
Deadline of camera – ready manuscript submission:	May 30, 2025
Notification of paper acceptance:	June 30, 2025
Deadline of final camera – ready manuscript:	July 31, 2025

Abstract submission for Oral and Poster Presentations:

Paper abstracts to LEM21 should be submitted by March 31, 2025, through the online submission system. The abstract should summarize the entire paper and be between 100-200 words in length. Each submitted abstract will be reviewed and decision for abstract acceptance will be made. The detail of the submission is now announced on the webpage.

Paper Submission (after acceptance based on abstract):

Authors must submit their papers according to the following requirements:

A) Oral and Poster Presentations (Peer-Reviewed):

Authors are required to submit a full paper (3-6 pages). Papers will undergo a peer review process.

B) General Poster Session (Non-Peer-Reviewed):

Authors are required to submit an extended abstract (1-2 pages). This submission will not be peer reviewed and will be open to the public.

Special Issue to International Journals:

Outstanding full papers may be recommended for publication in the following journals:

- Journal of Advanced Mechanical Design, Systems, and Manufacturing (JAMDSM), published by JSME
- International Journal of Automation Technology (IJAT), published by Fuji Technology Press

Conference Awards:

- Conference Excellent Paper Awards: Awarded for outstanding full papers.
- Young Fellow Award: Among candidates for the Young Researcher Award, the most exceptional papers will receive this distinction.

Award ceremonies will be taken place on the fourth day of the conference, December 4.

Conference registration fees (JPY):

	Early registration up to Sept. 20 (JSME member / non-member)	Late registration after Sept. 20 (JSME member / non-member)
Regular	70,000 / 80,000 *3	80,000 / 85,000 *3
Student	40,000 / 50,000 *3 25,000 / 25,000 *4	

*3: Banquet included. *4: Banquet not included;

Optional tours taken place on Dec. 5th :

- Excursion to explore the heart of Okinawa's traditional culture through a sightseeing bus tour. Planned destinations include: Okinawa World, Sefa Utaki, and Peace Memorial Park. (Additional participation fees are required.)
- Technical tour of National Institute of Technology in Okinawa

Conference webpage:

https://scoop-japan.com/kaigi/lem21_2025/

General contact: Email: lem21_mmt@jsme.or.jp

