International Journal of Automation Technology (IJAT) Call for Papers:

Special Issue on

Precision Engineering from Atoms to Autonomous Manufacturing

Submission Deadline
Feb. 28, 2027
*Extensions are available upon request

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Submit your paper via:
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- *Open Access Journal*
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- *IF (2025): 1.1*
- *SJR Quartile (2025): Q2*

Guest Editors:

Prof. Dr. Seiichi Hata, Nagoya University, Japan
Prof. Dr. Petros Abraha, Meijo University, Japan

Precision engineering now covers a wide range of length scales. At one end, material removal and surface modification are controlled at the atomic scale; at the other, machine tools, robots, and production lines are expected to monitor themselves, adapt to variations, and operate with minimal human intervention. Progress at either end depends on the other: the performance of autonomous manufacturing depends on the underlying processes and measurements, and advances in processing are of limited use unless they can be integrated into practical production systems.

This special issue brings together recent work across this range. Extended versions of papers presented at the 21st International Conference on Precision Engineering (ICPE2026) are welcome, as are original contributions on related topics. Both fundamental studies and industrial applications will be considered. **Original research and review papers are invited, and all submissions undergo the standard IJAT peer-review process.** **Final decisions on manuscripts submitted by the deadline are expected by early August 2027.**

Topics of interest include, but are not limited to:

- Digital and intelligent manufacturing systems
- Mechanical machining and forming processes
- Energy-based and additive manufacturing processes
- Micro/nano fabrication, functional surfaces, and interfaces
- Machine tools, mechatronics, and precision control
- Precision metrology and instrumentation
- Applications related to humans, biology, and the environment



Submission details:

- Number of pages: Average 8 pages / 8,000 words (no limit)
- Language: English or Japanese (和文原稿は弊社取次で翻訳後、英文原稿で査読)
- Manuscripts should be submitted as Microsoft Word or TeX, and adhere to IJAT's formatting guidelines.
- Article Processing Charge (APC) of JPY 150,000 is required for publication.
- For details on submission, please refer to: https://www.fujipress.jp/ijat/au-authors/
- Each submission will be evaluated by two reviewers and then forwarded to the IJAT Editorial Committee for final selection.

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