



September 9-12, 2025

The 18th International Symposium on Advances in Technology Education (ISATE)

*Bridging Borders:
Engineering Education
for Global Citizenship*

<https://isate2025.toyota-ct.ac.jp/>

CALL FOR PAPERS version 1.4 Date 250120

The International Symposium on Advances in Technology Education (ISATE) event started in 2007 as an international academic exchange between ten engineering colleges belonging to the National Institute of Technology (KOSEN) in the Kyushu and Okinawa districts of Japan and three polytechnics in Singapore. It aimed to enhance the quality of Engineering Education in each participating institution. In 2010, all the other KOSEN institutions of Japan joined the symposium under the National Institute of Technology (NIT) initiative. In 2011, two more polytechnics from Singapore joined this international exchange effort as organizers. In 2013, Nagaoka University of Technology and Toyohashi University of Technology also joined the symposium. Hong Kong Institute of Vocational Education (IVE) of Vocational Training Council (VTC) officially joined to become one of the ISATE organizers in 2017.

The Main Theme for ISATE 2025 is: **Bridging Borders: Engineering Education for Global Citizenship**

There are 4 subthemes under the main theme, and some topics of interest (not exhaustive) are as shown below:

| Subtheme 1: Engineering Contributed to Welfare, from Health and Safety to Well-being | Subtheme 2: Pedagogical Innovation in Teaching & Learning | Subtheme 3: Artificial Intelligence in Teaching & Learning | Subtheme 4: Engineering Education for Global Citizenship |
|--|--|---|---|
| <ul style="list-style-type: none"> • Engineering/Educational Innovations in Emergency and Disaster Response • Sustainable Engineering Practices for Health and Well-being • Engineering Education for Community Health and Safety • Designing Educational Programs for Health and Safety Engineering • Achieving Inclusive Education through Technology | <ul style="list-style-type: none"> • Innovative Teaching & Learning, Alternative Assessments • Using CDIO Framework in Curriculum Redesign • Teaching & learning Using Generative AI • Motivating & Facilitating Student Learning • Education Research in This Subtheme | <ul style="list-style-type: none"> • Big Data and Analytics for Teaching Sustainability • Student Performance Dashboard for Self-Directed Learning • AI for Personalized Learning • Education Research in This Subtheme | <ul style="list-style-type: none"> • Technology to Support Education for Sustainable Development • Multi-institution Collaboration in Advancing T&L for Global Education • Classroom of the Future Focusing on SDGs • Education Research in This Subtheme |

Important Dates and Deadlines

- **For Presentation and Paper submission**
 - ✧ Call for Paper: January 20, 2025
 - ✧ Abstract Submission Due: March 1, 2025
 - *Abstract Review Outcome: March 31, 2025
 - *Full Paper Submission Due: May 15, 2025
 - *Full Paper Review Outcome: July 15, 2025
 - ✧ Final FullPaper Submission Due: August 17, 2025

- **For Round Table Submission**
 - ✧ Roundtable Submission: March 1, 2025
 - ✧ Roundtable Review Outcome: March 31, 2025
- **For Registration**
 - ✧ Early Bird Registration for All: From June 15th to July 20, 2025
 - ✧ Normal Registration for NIT(KOSEN) attendees: July 21 to August 3, 2025
 - ✧ Normal Registration for All: July 21 to August 17, 2025

*Each institution is encouraged to set its own internal deadlines for reviewing their own papers.

Authors and attendees must strictly adhere to deadlines, as any request for extension will not be accepted. As ISATE 2025 adopts the internal review process, items marked with asterisk (*) are meant as guidelines only.



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Submission Categories

The Organizing Committee of ISATE 2025 invites submissions of high-quality papers that align with the conference theme. All submissions must emphasize educational aspects and contributions. Submissions focusing exclusively on the performance of scientific or engineering products or technologies without educational context should consider seeking alternative venues. We look forward to receiving your contributions that advance educational innovation and collaboration.

➤ **Paper Presentations: Full Paper**

Requirements: To be eligible for presentation at ISATE 2025, authors must adhere to the following guidelines:

1. Abstract and Paper Submission:

- ✧ Submit Abstracts and Full/Short papers in the specified format by the stated deadline.
- ✧ Receive a result of the Abstract review as Accepted.

2. Page Limit:

- ✧ **Full Papers:**
Authors are requested to submit papers with **a minimum of 4 pages** of content, including charts and references. The total length must not exceed 6 pages.
- ✧ **Short Papers (Non-referred paper):**
Authors are encouraged to provide content of **at least 2 pages**, including figures, tables, and references. The total length must not exceed 6 pages.

3. Copyright Approval:

- ✧ Corresponding authors must submit the designated copyright approval certificate.

➤ **Paper Presentations: Short Paper**

- ✧ Short Papers are not subject to peer review. Submission for Short Papers follows the same deadlines and formats requirements as Full Papers, beginning with Abstract submission. During the Abstract submission process, authors must indicate the intended submission type.
- ✧ If a Full Paper submission is rejected during the review process, it will be reclassified as a Short Paper, granting the author an opportunity to present at the conference. To present at the conference, either a Full or Short Paper must be submitted.
***The mainstream submission of papers is to submit a peer-reviewed Full Paper, in keeping with the culture of ISATE in the past.** The selection of Short Papers is to provide an opportunity to present directly at the Symposium and to enhance the quality of the peer-reviewed papers. The decision to select or not select a short paper is subject to the decision of the internal review committee of the first author's country.

➤ **Roundtables**

- ✧ These are informal discussions of a topic proposed by a roundtable facilitator. The goal of a roundtable discussion can be, for example, to generate ideas for a particular problem facing engineering educators or to collaborate on a new advancement within ISATE. Roundtables in ISATE are allocated 90 minutes.
- ✧ The proposal for roundtable should follow the prescribed template and submit with an Activity Description that describes a topic and outline of the session, with discussion questions. Resources needed for the roundtable must be specified. More details can be found in the template.
- ✧ Please attach PDF file to the secretariat (isate-mb@toyota.kosen-ac.jp) by email, including the session topic and summary. Please include the co-organizer in the Carbon Copy area and use the title area as "ISATE2025:RoundTableSubmission-Your Title".



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Templates

The following are available for download on the ISATE 2025 Website:

- ✧ ISATE2025_Template_Abstract
- ✧ ISATE2025_Template_Roundtable
- ✧ ISATE2025_Template_Full_Paper
- ✧ ISATE2025_Template_Approval_Certificate

Review of Abstracts and Full/Short Papers

Authors interested in presenting at ISATE 2025 will be invited to submit one's abstract proposal using the prescribed abstract template. Since only INTERNAL REVIEW will be used, i.e., there will be no peer review. For institutions from Singapore and Finland, the review will be carried within one's own institution using the institution's own internal process with the help of the institution's TPC representative. For Institutions from Japan and other countries, NIT TPC will coordinate the internal review process. Likewise, VTC will coordinate the internal review of all submissions from Hong Kong with the help of the TPC representative for Hong Kong.

Likewise for the full paper submission, "Internal Review" will be used and will be handled in the same manner as that for the abstract submission. Short papers do not undergo any review process, but submission is following same process.

➤ Paper Submission: Internal Review and Contact Information

| Country | Institutions from Singapore | Institutions from Finland | Institutions from Hong Kong | Institutions from Japan and Other Countries Listed on the Left |
|---|---|--|--|--|
| Affiliation of Corresponding Author | Temasek Polytechnic, Singapore Polytechnic, Republic Polytechnic, Nanyang Polytechnic, Ngee Ann Polytechnic | Turku University of Applied Sciences | Institute of Vocational Education (IVE) of Vocational Training Council (VTC) | National Institute of Technology (KOSEN), Nagaoka University of Technology and Toyohashi University of Technology, and other institutions related KOSEN education system |
| Internal Review Process and Coordinator | Internal process provided by the institution | Internal process provided by the institution | Internal review coordinated through Hong Kong TPC representative | Internal review coordinated by NIT (KOSEN) TPC |
| Submission Site, Form, or Contact Person | Institution's TPC representative | Turku TPC representative | VTC TPC representative | ISATE Submission and Review System provided NIT(KOSEN), Toyota College. URL is announced through E-mail from KOSEN. |

*If not listed in the table above, inquire by e-mail to the secretariat whether it is acceptable or not by Feb 14th. The committee will decide whether to accept or reject based on the content and the author's affiliation.

Presenting Your Full Paper/Short Paper

- Paper presentations will follow a traditional conference format of multiple. The authors who submit full paper allow to choose oral presentation or poster presentation; the authors who submit short paper have to present in poster presentation.
- Parallel tracks with short presentations (15 minutes, using PowerPoint) followed by Q&A (5 minutes). The poster presentation core times set 1st and 2nd afternoon for 30 min. There is no template for poster presentations. The poster presentations display on A1 size boards and no desks and electric plugs are prepared by organizer.
- There is no template for PowerPoint presentations. The poster presentation core times set 1st and 2nd afternoon for 30 min. There is no template for poster presentations. The poster presentations display on A1 size boards and no desks and electric plugs are prepared by organizer.
- Please note that to foster participant interaction, ISATE 2025 will not offer online presentation options. At least one author must register for the symposium before the deadline and attend the symposium in person to present the paper; or the paper will be withdrawn from the program.
- The presenting author is requested to check through the program schedule when informed of its availability. Any author, who is not able to present the scheduled presentation slot, is to inform the ISATE 2025 Secretariat in writing (email) via his/her institution's TPC representative.

*This conference is a forum for educators to present the results of their education. There is no problem with students who have contributed to the research being included as co-authors of the presentation, but in principle students are not allowed to participate.

Enquiry

- For questions regarding internal review processes, please contact your institution's TPC (Technical Program Committee) representative.
- For any other inquiries, please reach out to the ISATE Secretariat at isate-mb@toyota.kosen-ac.jp.

Appendix: Submission flowchart

