

14th International Symposium on Advances in Technology Education

August 17 - 20, 2021

Turku University of Applied Sciences

Turku, Finland

www.isate2021.fi



TURKU AMK

TURKU UNIVERSITY OF
APPLIED SCIENCES

ISATE 2021

14th International Symposium on
Advances in Technology Education
Educating Future Innovators

SECOND CALL FOR PAPERS 2021-01-04

The International Symposium on Advances in Technology Education (ISATE) event started in 2007 as international academic exchange between ten engineering colleges (known as Kosen in Japan) 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 initiative of the National Institute of Technology (NIT). 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. ISATE 2021 will be the first ISATE to be organized outside Asia.

Due to the COVID-19 pandemic, the ISATE 2020 conference was postponed to 2021 to be called ISATE 2021. Turku University of Applied Sciences welcomes your contribution and invites proposals for papers and workshops at the 14th ISATE. The conference takes place in Turku, Finland on August 17 (afternoon) – August 20, 2021. Additional information on the conference is available at www.isate2021.fi.

The main theme of the conference is Educating Future Innovators. The needs of and the competencies required by working life are changing. In addition to subject knowledge, future employees need to master customer-centric thinking, creativity, cooperation skills and tolerance of diversity and uncertainty.

Innovation pedagogy is a learning approach that enhances the innovation competences of individuals and groups. Innovation pedagogy aims to improve students' innovation competences by integrating teaching with research and development activities and collaboration with working life operators. This approach enables producing professional expertise that facilitates participation in the innovation processes of working life.

Proposals for contributions to the Paper and Workshop categories are welcome on topics relevant to technology education and to the conference themes. The presentation format of the paper contributions is a podium session with active discussion facilitation.

CONFERENCE THEMES

The possible themes include (but are not limited to):

- Active Learning Environments
- Collaboration of Educational Institutions and Industry
- Continuous Improvement and Quality Enhancement
- Pedagogy for Future Professionals
- Sustainable Development in Education

Contributions discussing educational development are welcome from all fields of Technology Education. However, special tracks will be dedicated to the following fields for those who are interested in both educational and academic topics:

- Health Technology and Medical Engineering
- Functional Engineering Materials



CONTRIBUTION CATEGORIES

Papers: Contributions in this category require a paper that meets the standards set by the referees. The review process will follow two phases, each with respective deadlines: 1) submission of an abstract of 300-350 words; 2) submission of a full-length paper (6 pages) according to a provided template. Papers accepted and submitted by the final deadline will be distributed electronically to the attendees of the conference. The presentation format of the paper contributions is a podium session with active discussion facilitation.

Workshops: These interactive working sessions on various topics will require a detailed plan that meets the standards set by the referees. The review process will follow two phases, each with respective deadlines: 1) submission of an abstract of 300-350 words describing the idea of the workshop; 2) submission of a workshop description (2 pages) according to a provided template. A workshop may be at a basic level that presumes little prior knowledge of the topic or skills, or it may be more advanced for experienced participants to gain further knowledge or a new perspective on the topic or skills.

Keynotes and invited presentations: The conference includes a selection of keynote talks and invited presentations. For example, the member institutions will present their state-of-the-art developments in a series of institutional presentations. The speaker invitations will be based on nominations of the member institutions.

SUBMISSION GUIDELINES

All submissions will be performed through an Internet-based submission system. Abstract submissions in Paper and Workshop categories must be completed on or before January 22, 2021. Link to the submission system will be available on the conference website by November 1, 2020. The corresponding author will enter the title, authors and affiliations, an abstract limited to 300-350 words, the suggested theme(s), and the contribution category. Please study the information available on the conference website www.isate2021.fi.

The final submission must follow the formatting requirements detailed in the templates provided on the conference website. Furthermore, at least one of the authors must register by the author registration deadline, participate in the conference and present the contribution. If no author is registered by the deadline (June 1, 2021), the contribution will be withdrawn from the program.

IMPORTANT NOTE:

The papers and workshops submitted and accepted to ISATE 2020 will be directly transferred to ISATE 2021 (no new review process). The final submission instructions have been provided separately to these authors. Please note that the ISATE 2021 author registration requirement and deadline apply to these contributions as well.

IMPORTANT DATES AND DEADLINES

