Call for Papers
IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE) 2022

4th December 2022 – 7th December 2022

Transforming Educational Technologies and Pedagogies for the Next Decade

TALE is the IEEE Education Society's premier conference series in the Asia-Pacific region (Region 10). In the last decade, TALE has grown to become one of the major international engineering education conferences. We shall be celebrating TALE's 10th anniversary in 2022, paving the way for its next decade.

In the last two years, there have been big changes in education. The global educational landscape has been reshaped, a new normal is emerging and innovative learning opportunities have been created. In order to make more learner-centered, active and scalable, cutting-edge educational technologies and educational development practices are required. TALE 2022 aims to provide a forum for scholars and practitioners to share their knowledge and experience in engineering and technology education, as well as in technology-enabled educational innovation across a variety of disciplines.

Conference Venue

The Hong Kong Polytechnic University (https://www.polyu.edu.hk/)

Core Tracks

- Computing & IT Education
- Engineering Education
- Open, Flexible & Distance Learning
- STEM Education
- Technology-Enhanced Learning
- Workplace & Industry-Based Learning

Special Tracks

- Community Engagement and Service Learning
- Education Metaverse and Immersive Learning
- Hyflex and Online Teaching
- Learning Analytics
- Next-Stage Virtual Teaching

TALE 2022 invites proposals for the organization of special tracks that will be held in parallel with core tracks. For more information, please contact us at tale2022@comp.polyu.edu.hk.

Topics

Topics of interest include but are not limited to the following:

- Academic Staff/Faculty Development
- Accreditation and Quality Assurance
- Active Learning Spaces
- Artificial Intelligence in Education
- Assessment and Evaluation
- Blockchain in Education
- Capstone Projects and Project-Based Learning
- Computer-Based Learning and Courseware Technologies
- Computer-Supported Collaborative Learning
- Continuing Education and Lifelong Learning
- Curriculum Design
- Distance, Open and Flexible Education
- Educational Data Mining and Learning Analytics
- Educational Games and Simulations
- Educational Policy, Leadership and Administration
- Entrepreneurship Programs
- Ethical, Legal and Social Justice Issues (e.g., Access, Equity)
- Gender and Diversity
- Generic Skills (e.g., Communications, Teamwork)
- Human-Machine Collaborative Learning
- Industry Linkages and Partnerships
- Instructional and Learning Design
- Intelligent Tutoring Systems
- Introductory Engineering and Computing Courses
- Just-in-Time Learning and Job Performance Support
- K-12 Initiatives and Partnerships
- Laboratory Experiences (On-Campus and Remote)
- Learning Management Systems
- Learning Technology Standards and Standardization
- Marketing and Outreach for Engineering and Computing Programs
- Massive Open Online Courses (MOOCs)
- Micro-credentialing and Badges
- Online/E-Learning and Blended Learning
- Open Educational Resources (OER)
- Personal Data and Security in Education
- Research Training (Undergraduate and Postgraduate)
- Robotics in Education
- Service Learning and Experiential Learning
- STE(A)M education in K-12 or higher education
- Technology Infrastructure for Supporting Next-Generation Learning (e.g., 5G, Cloud Computing, Internet of Things)
- Virtual, Augmented and Mixed Reality Learning Environments
- Wearable, Mobile and Ubiquitous Learning
- Work-Based and Work-Integrated Learning

Key Dates (Tentative)

- Paper Submission Deadline: 10 June 2022
- Notification of Acceptance: 15 September 2022
- Camera-ready submission: 15 October 2022
- Conference: 4-7 December 2022

Paper Formats

All accepted and registered full, short and work-in-progress papers that are presented at TALE 2022 will be published in the conference proceedings and submitted to the IEEE Xplore® digital library.

- Full (6-8 pages) Paper for Oral Presentation
- Short (4-6 pages) Paper for Oral Presentation
- Work-in-Progress Paper (2-4 pages) for Poster Presentation

Preliminary Paper Registration

If you are interested in submitting a paper to TALE 2022, you are encouraged to fill in the following simple form: https://forms.office.com/r/Rqcx90shUm so that updated information can be sent to you.

Paper Submission

Prospective authors are invited to prepare submissions of two (2) to eight (8) A4 pages (including tables, figures and references) in standard IEEE double-column format, using the following template: [Format template from IEEE]

Use of any other IEEE templates is NOT acceptable as there are subtle differences between those templates and the conference template that will affect the consistency in the appearance of papers published in the proceedings. Importantly:

- Do not change the paper size (A4) or margins in the template.
- The headers and footers must remain empty. (They should not contain page numbers or anything else.)
- Formatting of the paper must be done using the pre-defined MS-Word styles in the template, rather than manually. The paper must use all the predefined font styles, sizes etc. as per the template.
- Basic examples of citations and references are included in the template, but authors are required to fully adhere to the guidelines and instructions stipulated in the IEEE Reference Guide at http://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE-Reference-Guide.pdf. (Where are conflicts between the template and the IEEE Reference Guide, the IEEE Reference Guide prevails.)
- Please ensure that all template text (guidance text for composing and formatting conference papers) is removed from your conference paper prior to submission.

Papers will be accepted only by electronic submission through the conference website, from which guidelines and templates are available. Submissions will NOT be accepted via e-mail.

A double-blind peer-review process will be used to evaluate all submitted papers. Please remove all author-related information in a submitted paper.

Publication and Indexing

All accepted and registered full, short and work-in-progress papers that are presented at TALE 2022 as well as all extended abstracts describing the non-traditional sessions presented at the conference will be published in the conference proceedings and submitted to the IEEE Xplore® digital library. Content loaded into Xplore is made available by IEEE to its abstracting and indexing partners, including Elsevier (Scopus, Ei Compendex), Clarivate Analytics (CPCI—part of Web of Science) and others, for potential inclusion in their respective databases.

Contact

Email: tale2022@comp.polyu.edu.hk   Website: https://tale2022.comp.polyu.edu.hk/

For more information about the IEEE Education Society,
please see http://ieee-edusociety.org