

23rd International CDIO Conference

CDIO in the Age of AI: Connecting Education, Research and Industry

21–24 June 2027
Oskemen, Kazakhstan
https://cdio2027.ektu.kz/

Call for Papers

The CDIO Initiative (www.cdio.org) brings together engineering educators, researchers, and industry partners from around the world to advance engineering education through the integration of theoretical knowledge, practical experience, and real-world applications. Based on the principles of Conceive, Design, Implement, and Operate, the CDIO approach encourages collaboration, innovation, and the continuous improvement of engineering education.

The 23rd International CDIO Conference invites contributions that present research findings, innovative educational practices, experiences in CDIO implementation, and new approaches to addressing challenges in engineering education. The conference will take place on 21-24 June 2027, hosted by D. Serikbayev East Kazakhstan Technical University (EKTU), Kazakhstan. The conference will accept contributions to be presented in face-to-face and online sessions.

Under the main theme “CDIO in the Age of AI: Connecting Education, Research and Industry,” the 23rd International CDIO Conference will explore how artificial intelligence and emerging technologies are influencing engineering education, research, and professional practice. The conference also welcomes contributions addressing broader developments in engineering education, including curriculum innovation, experiential learning, sustainability, and the continuous improvement of CDIO-based educational practices. Contributions are welcomed in the form of papers, workshops, roundtable discussions, and working groups.

Papers

Contributions in this category require a paper meeting the applicable peer-review standards. Full papers, rather than abstracts only, are required for the initial submission. Papers should normally be no longer than 10 pages. Submissions are accepted in four tracks:

Engineering Education Research (EER): Papers in this track should improve understanding and practice of engineering education while contributing to the scholarly knowledge base.

Advances in CDIO: This track covers advances in the CDIO framework, standards, syllabus, community or CDIO-based education.

CDIO Implementation: This track reports and critically evaluates the implementation of CDIO principles in real educational settings.

CDIO Projects in Progress: This track presents initiatives under development, current activities and preliminary results. Papers in this category will not be published in the proceedings. Detailed criteria for each category can be found on the website.

Workshops, Roundtables and Working Groups

Contributions in these categories require an Activity Description. The main text must not exceed two pages, excluding the title page, references, and biographical information. Workshops may be proposed in either online or on-site formats. Roundtables and Working Group sessions will be held online, allowing both remote participants

and those attending on-site at EKTU to take part. Activity Descriptions will be distributed to conference participants but are not normally included in the CDIO Proceedings or archive. Working Groups may prepare State-of-the-Art Papers after the conference, which may be considered for publication in the CDIO Proceedings, subject to review and acceptance by the Programme Committee.

Detailed submission requirements and templates will be available on the conference website. Visit the conference website for more information on these formats.

Submission Process

The ConfTool Pro platform will be used for all submissions. The submission link will be made available on the official conference website (https://cdio2027.ektu.kz/).

All submissions must follow the official conference templates and formatting requirements, which will be available on the conference website. Papers accepted for publication in the conference proceedings must include the required Creative Commons license.

Papers submitted to the Engineering Education Research (EER), CDIO Implementation, and Advances in CDIO tracks and intended for publication in the CDIO Proceedings must meet the standards set by the reviewers and those expected of original scholarly publications. Authors should appropriately situate their contribution in relevant literature, explain their aims and methods, provide evidence and analysis, and clearly state conclusions. Manuscripts must comply with the official template, citation requirements, copyright permissions and the applicable Creative Commons license. When data from students or participants is part of the publication (e.g. answers to surveys), evidence of ethics approval by your institution must be presented.

Authors must clearly acknowledge any use of AI tools or software in research, analysis or preparation of a submitted manuscript. The declaration should identify the tools used, the purposes for which they were used and the extent of their contribution. Authors remain responsible for the accuracy, originality and integrity of all content submitted. For each accepted paper, at least one author must register for the conference and present the paper, either in person or remotely.

Important Dates

Papers, Workshops & Roundtables

Milestone	Deadline
Full-paper and activity-proposal submission deadline	25 January 2027
Notification of acceptance	15 March 2027
Final revised paper and activity-description submission deadline	12 April 2027
Author registration deadline	3 May 2027

Working Groups

Milestone	Deadline
Working Group proposal deadline	15 January 2027
Notification of Working Group acceptance	1 February 2027
Working Group participant sign-up deadline	29 March 2027
Confirmation of Working Group membership	7 April 2027
Final Activity Description and registration deadline	3 May 2027

For further information, please contact the Conference Secretariat at cdio2027@edu.ektu.kz.