

2021 Call For Papers

**Two-Year College Division, American Society for Engineering Education
Annual Conference and Exposition
Long Beach, CA
June 27-30, 2021**

The TWO-YEAR COLLEGE DIVISION (TYCD) is composed of faculty and administrators from two-year colleges that have programs in Engineering, Engineering Science and/or Engineering Technology, and other parties interested in two-year college issues. The TYCD invites submission of paper and/or poster presentation abstracts from academia and industry on any topic that may benefit and interest two-year institutions. Topics of particular interest include, but are not limited to the following:

- Student recruitment and retention at two-year colleges.
- Student persistence and completion in two-year engineering technology programs and/or 2+2 programs.
- Innovative teaching methods and support programs at two-year colleges
- Articulation agreements: high school/two-year and two-year/four-year institutions.
- Issues related to student transfer from two-year to four-year programs.
- Job placement strategies for Engineering Technicians.
- Innovation and updates in curriculum and laboratory development, for engineering technician programs.
- Issues facing two-year colleges with Youth and Adult apprenticeship programs.
- High school dual credit students in engineering transfer, engineering technology and engineering technician programs at two-year colleges.
- Microcontrollers, data acquisition, and/or embedded control courses and content delivered in two-year engineering technology programs. Share your experiences with Arduinos, Galileos, PICs, Launch Pads, and other platforms.
- Mechatronics and Industrial Controls for engineering technicians.
- Student Learning Outcomes Assessment, at two-year institutions.
- ABET, ATMAE (or other) accreditation at two-year institutions.
- Federally-funded engineering and/or engineering technology grant projects awarded to two-year colleges.
- Strategies for recruitment, retention and professional growth of new faculty at two-year colleges to replace retiring faculty.
- Other topics of relevance to two-year engineering, engineering technology and engineering technician programs.

Paper submission is a three-step process: (1) submission of an abstract; (2) submission of a draft of the full paper; and (3) submission of the final paper. All abstracts must be submitted through the Monolith abstract & paper submission portal. Please check the ASEE website

for final versions of the 2021 paper Author's Kit, Publish-to-Present information, paper and poster guidelines, and deadlines.

Abstracts shall be 250–500 words in length and provide a clear statement of the paper's objective, relevance to two-year colleges, assessment methods, and results. Abstracts will each receive at least one blind review. Authors of accepted abstracts will prepare a draft of the full paper for blind peer review; at least three reviewers will review the draft. To aid both the reviewers and the readers, papers in the TYCD should be limited to 15 pages, including references.

The division strongly encourages that authors conduct meaningful assessment of outcomes and report on the results of this assessment. Papers which provide little or no assessment of the activities described should be marked as "Work in Progress" in Monolith upon submission. As there is a limited number of technical sessions in the TYCD, Work in Progress papers, or multiple papers by the same author(s), or papers that do not suit the content of a technical session, may be assigned to the conference poster session.

Draft papers should be well-developed so that the reviewer has a sufficient understanding of the paper's goals and content, as well as any research questions, data, etc., that may appear in the final paper. Reviewers may return drafts for revision if, among other issues, the narrative or other content needs clarification, the draft has grammatical and/or spelling errors (the reviewer will not correct the errors), lacks references, etc. Reviewers may also reject the draft. As necessary, authors should respond to all comments provided by each reviewer as part of the revision process.

Upon acceptance of the draft, the final paper will be submitted, which will be reviewed again. Acceptance of both the abstract and the final full manuscript is required for presentation in TYCD sessions and for inclusion in the conference proceedings (publish to present).

Papers accepted for publication must be presented by at least one registered conference participant in a designated technical session, or at a poster session held in the Exhibit Hall, as designated at the time of final submission.

For further information, prospective authors and presenters may contact the TYCD Program Chair:

Dr. Carl Whitesel

ASEE 2020 Two-Year College Program Chair

Professor, Engineering

South Mountain Community College

8050 S. 24th St., Phoenix, AZ 85042

(602) 243-8295 • cwhitesel@southmountaincc.edu