2026 Industrial Engineering Division (IED) Call for Papers

The Industrial Engineering Division (IED) of the American Society for Engineering Education (ASEE) seeks papers for presentation at the 133rd ASEE Annual Conference and Exposition in Charlotte, North Carolina, June 21-24, 2026.

2026 IED Theme: Empowering the Next Generation: Integrating AI, Automation, and Data Analytics in Industrial Engineering Education

Artificial intelligence, cyber physical production systems, pervasive data analytics, and advanced automation technologies are reshaping industrial engineering practice and the very structures of the programs that prepare tomorrow's professionals. The Industrial Engineering Division (IED) therefore invites scholarship that demonstrates:

- **How institutions are adapting:** Strategic leadership, policy changes, resource allocation, and culture-building initiatives that enable sustainable integration of intelligent-systems content across curricula, laboratories, and co-curricular experiences.
- **How faculty are evolving:** Up-skilling, role redefinition, interdisciplinary teaming, and change-management strategies that empower instructors to deliver technology-rich, human-centric learning; and
- **How students are experiencing and shaping these changes:** Learner perspectives on motivation, identity, employability, and ethical engagement with intelligent systems.

ASEE IED Submission Considerations

Relevant submissions are welcome from all engineering disciplines. Considerations for acceptance include the level of innovation, technical merit, demonstrated outcomes and relevance to industrial engineering education. Authors are encouraged to submit work that could be useful to other IE faculty, including strategies for implementation. The IED strongly encourages submissions of diversity, equity and inclusion-related papers. Purely technical papers that have no educational component or papers describing courses that will or have not been taught will most likely not be accepted. Exemplary topic areas include, but are not limited to:

- **Institutional & Organizational Transformation** – governance models, strategic roadmaps, funding mechanisms, and infrastructure (e.g., digital-twin testbeds, cloud analytics platforms) that support AI- and data-enabled education; case studies on department-level, college-level, or university-wide adaptation.
- **Faculty Upskilling, Support, & Change Leadership** – professional-development programs, communities of practice, workload rebalancing, and incentive structures that help faculty embrace and sustain intelligent-systems content.
- **Student Perspectives & Co-Creation** – empirical studies capturing student voice on learning experiences, identity formation, equity, and workforce readiness in AI-infused IE programs; student-led innovations and peer-to-peer learning models.

- **Curriculum & Pedagogy Innovation** – course or program redesigns that weave AI/ML, robotics, IIoT, or digital-twin technologies into traditional IE topics while maintaining systems-thinking foundations.
- **Experiential & Intelligent Laboratories** – smart factories, warehouse automation cells, mixed-reality simulations, and data-rich capstone projects that bridge theory and practice.
- **Human-Centric, Ethical, and Inclusive Automation** – frameworks that embed socio-technical awareness, DEI, and responsible-AI principles in design projects and decision-making exercises.
- **Data-Driven Decision-Making** – instructional approaches for statistical learning, prescriptive analytics, and visualization that empower confident, equity-minded problem solving.
- **Assessment & Accreditation** – instruments, analytics dashboards, and evidence linking technology-integrated competencies to ABET criteria and to demonstrated organizational learning and continuous improvement.
- **Partnership Ecosystems** – industry consortia, community collaborations, and global networks that accelerate institutional adaptation and broaden opportunities for both students and faculty.

The IED is a publish-to-present division. At least one author for each paper must register for and present at the conference. Authors of accepted abstracts will be invited to submit full-length papers for peer review. Papers addressing "work in progress" will be considered. The submission and review process are blind. Do not include the names of institutions or authors anywhere in the abstract or draft paper. All abstracts and papers must be loaded electronically through the ASEE paper management system. Abstracts submitted for the conference should be extended abstracts providing sufficient detail on the proposed work for reviewers to evaluate. Additional information, including the Author's Kit with deadlines and formatting instructions, can be downloaded from the ASEE website. In addition to the ASEE "Publish to Present" requirements, IED requires the support of its authors in "Review to Publish" at both the abstract and manuscript stages.

IED also supports workshops in the areas listed for paper submissions. Persons wishing to have IED promote a workshop for the Annual Conference should retrieve the ASEE workshop form, complete it and send it to the program chair. Workshop submissions will be reviewed for appropriate content. Workshops submitted directly on the ASEE site, prior to IED approval, will not be recommended for inclusion.

Paper Awards and Travel Grant

Please keep in mind, monetary awards, plaques, and the travel grant are not guaranteed. Instead, it depends if ASEE administration un-freezes (i.e., allows access to) the funds.
- **IED Best Paper Award:** All accepted papers will be considered for the IED Best Paper Award. The award includes a plaque of recognition for first place, and a letter of recognition for second place (runner-up), when appropriate. There is an honorarium monetary award of $250 for the first author of the winning paper.
- **New IE Educator Outstanding Paper Award:** Qualified authors will be considered for the New IE Educator Outstanding Paper Award. New IE educators with fewer than seven years of full-time teaching experience. The recipient will be awarded $250 per author, up to $500 per paper. Senior faculty are eligible for the award as coauthors, but not for the monetary award. The award also includes a plaque of recognition.

- **IED Outstanding Student Paper Award:** Student-authored papers are eligible for IED Outstanding Student Paper Award. The recipient will be awarded $250 per author, up to $500 per paper. Faculty are eligible for the award as coauthors, but not for the monetary award. The award also includes a certificate of recognition.
- **Travel Grant:** IED members who have not attended an ASEE Annual Conference may be eligible for the $500 IE Travel Grant for New Attendees. Recipients must present their paper in an IED session and can collaborate with other faculty who are active in ASEE. Email the IED Program Chair if you are interested in applying for the travel grant.

Please forward this message to persons that may be interested in presenting their work, hosting a workshop, or formulating a panel at the Annual Conference. If you have any questions, please contact the program chair.

If you are not a member of the Industrial Engineering Division (IED), please add the IED to your ASEE membership renewal.

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