

# Industrial Engineering Division Call for Papers

## **2020 IED Theme: Artificial Intelligence and Industrial Engineering Education**

The **Industrial Engineering Division (IED)** of the American Society for Engineering Education (ASEE) seeks papers for presentation at the 127<sup>th</sup> ASEE Annual Conference and Exposition in Montréal, Québec, Canada June 21 - 24, 2020.

**Abstract submission** opens **September 3, 2019**; the **deadline** for submitting abstracts is **October 14, 2019** at 23:59 EST. **Workshop, Panel and Distinguished Lecture** requests also open **September 3, 2019**.

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**.

Topics of interest include, but are not limited to

- IE curriculum and artificial intelligence
- Industry 4.0 and novel IE curricula
- Methods for developing and assessing industrial engineering competency
- IE laboratory development
- Application of innovative approaches to IE education (e.g. flipped classes, problem based learning, and use of emerging technologies)
- Educational resources such as case studies, web-based course modules, and lab materials for teaching IE topics
- IE Design throughout the curriculum
- Outstanding IE outreach programs
- Successful IE internship and/or co-op programs
- Involving undergraduates in IE related research
- Success with adapting to new IE ABET outcomes
- Diversity, equity and inclusion in IE

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. **The IED asks for abstracts submitted for the 2020 conference 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 2020 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:**

- 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.
- 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 co-authors, but not for the monetary award. The award also includes a plaque of recognition.
- 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 co-authors, but not for the monetary award. The award also includes a certificate of recognition.
- 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 at [ebisa.wollega@csupueblo.edu](mailto:ebisa.wollega@csupueblo.edu) 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 2020 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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