EDUCATIONAL RESEARCH AND METHODS DIVISION 2018 CALL FOR PAPERS

The **Educational Research and Methods Division (ERM)** seeks paper and workshop proposals on topics related to ERM's primary objectives: dissemination of knowledge on learning and teaching; encouragement of efforts to improve instruction through development of innovative materials and techniques, sound instructional design, and improved evaluation methodology; and enhancement of the status of teaching in the university and beyond.

It is expected that the author(s) of a submission will support the Division by reviewing both abstracts and manuscripts submitted for the Annual Conference.

There are three types of submissions: Paper, Workshop, and Panel of Invited Speakers.

Paper: Manuscripts that further the ERM Division objective stated above. **There are four subcategories for Papers.**

(1) **Research** papers present new findings, situated in the context of prior findings and models, including relevant prior work and literature citations, methodology, research results, and implications of the work and/or future directions for research.
(2) **Theory** papers provide reviews, meta-analyses or other theory-focused work, situated in the context of previous literature to reveal relationships, patterns or models, or extend existing theories. Must include relevant prior work and literature citations.
(3) **Evidence-based practice** papers provide analysis of one or more engineering education practice, including teaching approaches, instructional technology uses, and institutional strategies to support student success and its implications for engineering educators. Must include relevant prior work and literature citations, methodology, and assessment results.
(4) **Work in Progress (WIP) Paper**: studies at an early to intermediate stage for which authors are seeking feedback from the community.

The type of paper (WIP, Research, Theory or Evidence-Based Practice) MUST be identified in the first sentence of the abstract. All Papers will be "publish-to- present," meaning:

- o   All abstracts and papers must be submitted through ASEE's Monolith System.
- o   A favorable peer-review of a submitted abstract will lead to an invitation to submit a full paper. A favorable peer review of a submitted paper will lead to acceptance.
- o   Only accepted papers will be considered for inclusion in a Conference presentation.
- o   Presentation of the paper at the Conference is required for publication of the paper in the Conference proceedings. Formats for presentations are podium, roundtable and poster sessions.
- o   Authors of accepted Research, Theory or Evidence-Based Practice Papers can opt to present in a poster session, traditional podium session, or in a roundtable discussion session with similarly themed papers. All WIP papers will be assigned to either roundtable or poster sessions to facilitate discussions.
- o   If a collection of authors would like to pre-theme their work in an effort to formulate a different session style (such as what was done for the *Innovation Through Propagation* session at ASEE 2016), please contact the ERM Program Chair (grzybowski.3@osu.edu).

These papers will still be peer-reviewed and must be accepted on their own merits, but they may be reviewed in the context of being pre-themed and related to each other.

- o Panel of Invited Speakers: 90-minute sessions with non-traditional formats occurring during the regular Conference program that explore a topic in depth. Panel of Invited Speakers Sessions should have explicitly stated learning goals that cannot be met in a traditional paper presentation. Panel of Invited Speakers sessions are 90 minutes in length. They do not require a paper submission. A maximum of two ERM Panel of Invited Speakers Sessions will be accepted for the Conference program.
- o Workshops: 2-hour or 4-hour sessions on Wednesday of the Conference. Workshops provide attendees an opportunity to learn about a topic in depth and ways to apply the knowledge to their own settings.

Guidelines for Submissions
Abstracts and Papers
Abstracts should follow the ASEE Abstract Format guidelines:
(https://www.asee.org/documents/conferences/annual/2018/2018-Authors-Kit.pdf).
The abstract should contain sufficient information to enable reviewers to determine its suitability for presentation in the ERM Division. The ERM Division uses a blind review process when reviewing abstracts and papers, and it is the authors' responsibility to ensure that the requirements for blind review are met. Authors' names and institutions should not be included in the text, file name, or document properties of an abstract or paper submitted for review. **The deadline for submitting abstracts is October 16, 2017.**

There are four categories of submissions: Work in Progress (WIP), Research, Theory, or Evidence-Based Practice. **YOU MUST INCLUDE THE TYPE OF PAPER YOU ARE PROPOSING IN THE FIRST SENTENCE OF YOUR ABSTRACT. (For example, "This research paper describes the study of…" or "This work in progress describes a proposal for studying…".)**

- o Work in Progress (WIP): Studies that are at an early to intermediate stage for which authors are seeking feedback from the community. WIP abstracts should address the motivation and background of the work, methods, results (or anticipated results), and significance. **WIPs _MUST_ also include the abbreviation "WIP: " at the beginning of the title.**
- o Research: New findings, situated in the context of prior findings and models, including motivation and background of the work, methods, results, and implications of the work and/or future directions for research.
- o Theory: Reviews, meta-analyses or other theory-focused work, situated in the context of previous literature to reveal relationships, patterns or models, or extend existing theories. Theory abstracts should address the motivation and background of the work, theoretical framework(s) and sources, and significance.
- o Evidence-based Practice: Analysis of one or more engineering education practices, including teaching approaches, uses of instructional technologies, institutional strategies to support student success, etc.), including design rationale, assessment methods, evidence of effectiveness and/or achievement of desired outcomes.

The criteria for abstracts listed above serve as the review criteria within each category. Literature citations should not be included in the abstract. Authors' names or institutional names should not be included in the abstract, filename, or document properties. It is the author's responsibility to ensure that the requirements for blind review are met.

Authors of accepted abstracts will be required to submit a full paper manuscript that should meet ASEE Paper Format guidelines ((https://www.asee.org/documents/conferences/annual/2018/2018-Authors-Kit.pdf). Papers will be evaluated using criteria within each type as listed above, and the general criteria in the list below. Papers that fail to meet all of the criteria may still be considered acceptable based on potential to further the ERM Division objectives.

General evaluation criteria for all paper types:

- The manuscript is complete. Authors should not expect to make substantial changes in a manuscript following its acceptance.
- The study is likely to interest a broad group of engineering education researchers and/or practitioners.
- The work builds upon relevant references and bodies of knowledge.
- The findings or ideas presented are generalizable or transferable to other settings.
- The manuscript is clear and coherent.
- The study is original and innovative.
- The study advances engineering education research and/or practice.

WIPs are expected to be no more than 4 pages in length and full papers are expected to be no more than 12 pages in length. Minor allowances may be made at the Program Chair's discretion, but excessively long papers may be rejected without review.

Panel of Invited Speakers Session Proposals

Proposals for Panel of Invited Speakers Sessions submitted through the ERM Division should be sent directly to the ERM Program Chair (grzybowski@osu.edu) and not through the Monolith system. The **deadline for submitting Panel of Invited Speakers session proposals is October 8**. Proposals should include the following information:

- A description of the session, including its purpose, format, learning goals, content, and activities.
- An explanation of why the non-traditional format is needed to accomplish the learning goals.
- A list of presenters/facilitators and their contact information, along with a brief justification for their ability to successfully accomplish the stated goals.

Workshop Proposals

Proposals for Workshops submitted through the ERM Division should be sent directly to the ERM Program Chair (grzybowski@osu.edu) and not through the Monolith system. The **deadline for submitting workshop proposals is October 8.** Proposals will be reviewed and selected by ERM to be forwarded for further consideration by ASEE, which makes the final decision. Acceptance of a Workshop

proposal by ERM does not guarantee that it will appear in the final program. Proposals should include the following information:

- o A description of the session, including its purpose, format, learning goals, content, and activities.
- o A schedule (i.e., something describing the general flow of the 2 hour workshop).
- o A list of presenters/facilitators and their contact information, along with a brief justification for their ability to successfully accomplish the stated goals.

If you would like a 4-hour workshop spanning both session times, you must also include an explicit justification for why the longer session is necessary.

If the workshop is approved by ERM reviewers, it is then submitted to ASEE. The submission to ASEE will include additional information such as estimated attendance, estimated ticket cost and responsible party to subsidize the expense if tickets don't cover the entire cost of the event (ASEE charges for the room, audio-visual, etc.), expected food and beverage requests, and audio-visual needs.

For more information, please contact:

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