ASEE 2018 St. Lawrence Conference
April 20 and 21, 2018
Cornell University   Ithaca, NY
http://stl.asee.org/conference_2018.html

Please share this Call for Participation!

This year, our theme is ***Intent, Design, Solutions: Contexts in Engineering Education***. We invite colleagues (faculty, researchers, graduate students, post-docs, and undergraduates) to join us in sharing their work and ideas about how contexts (or the lack of them) impact all aspects of engineering education.

Keynote speaker: Vincent Brannigan, J.D. and Professor Emeritus at the University of Maryland, will speak to us about the ways in which engineering work must be contextualized in order to function properly. He brings his wealth of knowledge to bear, exploring memorable cases when the lack of holistic engineering contexts have produced failures that were avoidable. His primary research and teaching areas are product liability and government regulation of technology, with a special emphasis on the problem of dealing with novel technologies.

Banquet Speakers: Students and instructors will share their ongoing situated engineering work that has begun a fish farm + aquaponics project for an orphanage in Chile. The goal is to provide a source of steady and predictable income for the orphanage. Created as the cornerstone for an Engineering Entrepreneurship course at Cornell University, instructors and students will share their amazing engineering work and outcomes with banquet attendees.

ABSTRACTS AND PAPERS (details for POSTERS begin on page 3)

Please join us for the 2018 conference! We welcome all those who are interested, even if your work falls outside of this year's theme. See our proposed tracks for 2018 below.

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1. Topics should be connected to engineering education and/or engineering technology. They can be related directly to the conference theme or contribute to engineering education generally.
2. Presentations (for Papers and Abstracts) will be organized into sessions around the categories below. Papers will be reviewed for publication on the ASEE section and ASEE national websites. Abstracts and posters will be published on the ASEE St. Lawrence website only. Details follow in this CFP and will also be on our website at http://stl.asee.org/conference_2018.html .
3. Conference registration of at least one author is required to present any paper, abstract, or poster.
4. Our website will contain author information, paper/abstract templates, registration rates, travel information, and other key information.

Topics related to conference theme of *Intent, Design, Solutions: Contexts in Engineering Education*	• Impacts of "real world" contexts for teaching undergraduate engineering students • Contexts that drive research and innovation • Context-free engineering versus context-driven engineering educational strategies • Project-based learning • Service learning inside engineering education • Engineering + social justice as an educational driver
Topics of general interest	• Trends and innovations • Increasing student engagement • Other topics broadly connected to engineering and engineering technology education

Beyond the technical lecture	• Experiential learning (research, capstone design, laboratory, service learning, project teams, etc.) • Engineering education beyond the classroom (social justice topics, project-based learning, internships, co-ops, and global experiences, online or blended learning, etc.) • Developing the professional 21st century engineer (communication, leadership, business skills, ethics, societal and global issues, etc.) • Digital and information literacy for engineers
Broadening participation	• Increasing retention, diversity, and student success • Increasing student interest in engineering and technology fields/outreach
Teaching within disciplines	• Discipline-specific topics • Discipline-specific material to share
Moving forward through collaboration	• Projects seeking collaborators • Cross-institution collaborative endeavors

Participate at ASEE 2018 St. Lawrence conference
- **Propose a paper:** Full Papers are appropriate for late-stage research projects with conclusive results; mature, theoretically-grounded position papers; or papers reporting on a well-tested professional or teaching practice. These should be 4-8 pages in length. All submissions will undergo double-blind review. Conference registration of at least one author is required to present any paper.
- **Propose an abstract:** Abstracts are for participants who want to present at the conference, without the task of writing a full Paper. Aim for 1-2 pages. All submissions will undergo a double-blind review. Conference registration of at least one author is required to present any abstract.
- **Propose a poster:** Posters can be submitted by faculty, researchers, post-docs, graduate students, and undergraduates. Poster presenters will have an event on April 21, 2018 where attendees can see their work. *There is a separate small fee for posters.* Conference registration of at least one author is required to present any poster. Student poster topics can include student work and should demonstrate what is being learned in their university work. Faculty, grad student, post-docs, and researchers should focus on engineering education efforts, innovations, and issues.
    - ○ **NOTE:** *For Papers and Abstracts, speakers will typically have 15-20 minutes to present their work during the conference. Topics will be grouped along thematic lines during a 75-minute session.*

Anticipated Schedule for Papers and Abstracts
- December 2017: Proposals begin to be accepted
- **January 8, 2018: Priority** Papers and Abstracts due by 11:59pm EST**.** Papers, Abstracts, and Posters submitted by this date will qualify for a discounted registration price.
- **January 17, 2018:** last day to submit Proposals for Papers and Abstracts, 11:59pm EST.
- **February 2-5, 2018:** Proposal submitters will be notified of acceptance status.
- **February 22, 2018:** Full versions of Papers and revised Abstracts due. These should be fully written, following the provided template, with all citations in APA format, ready for reviewers.
- **March 15, 2018:** Paper and Abstract authors will receive comments and notes on their work.
- **March 30, 2018:** Final versions of all submission types, along with copyright releases, are due by 11:59pm EST.
- April 20, 2018: Evening banquet with guest speakers
- April 21, 2018: Conference with keynote, paper/abstracts presenters, and poster sessions

Anticipated Schedule for Posters
- **March 25, 2018**: Proposals due by 11:59pm EST via website.
- **April 10, 2018**: Final posters due electronically. Poster presenters will bring their own poster for display. ASEE St. Lawrence section will not be printing them for participants. Electronic versions will be used for our online gallery.

Registration
- Early Bird (including Priority status): ends March 15, 2018 at 11:59pm EST.
- Regular: ends April 11, 2018 at 11:59pm EST.

Call for Posters
ASEE St. Lawrence Section 2018 Conference
April 20 and 21, 2018
Cornell University, Ithaca, New York

POSTER PROPOSALS DUE MARCH 25, 2018
FINAL POSTER SUBMISSION IS APRIL 10, 2018

Are you involved in an interesting engineering course or lab project? Are you including a strong education or outreach component? We invite you to discuss and share this information you're your peer network, engineering colleagues, and fellow researchers. Our theme this year is "**Intent, Design, Solutions: Contexts in Engineering Education**." This is an excellent opportunity to display your work and gain experience presenting to a diverse audience. and you even have the chance to win a prize for best student poster! After the conference, electronic versions of posters will be available in an online gallery.

Topics for Students (Undergrads through Post-Docs)	
*Student Posters about Engineering Work or Projects (posters by students—in teams or alone). *All student posters should include a section on how the activity enhanced learning*	• Projects with a community connection • Projects with community outreach • Design projects • Novel projects within a course • Student-focused projects looking for collaborators in other departments or schools • Pre-professional readiness through courses, activities, or project teams • Specific aspect of extra-curricular engineering project teams
*Student Research (posters by students in undergraduate, MEng, PhD, or post-doc work)	• Undergraduate experiences in engineering research within labs, with TAs/RAs, or other venues • MEng or MS research or projects • Other graduate research
Topics for Educators	
Project Teams	• Educational methods and materials for creating, sustaining, assessing, and aiding engineering project/design teams within courses • Innovative connections between project team work and engineering outcomes, perhaps ABET linked
Educational Innovation	• Innovative ways that TAs or RAs assist on project creation, course deployment, or redesign • New ways to bring context into the engineering classroom and experience • Graduate research with an engineering education connection • Other topics welcomed

GENERAL GUIDANCE: Both research and design projects will be considered. Preference will be given to posters with a strong education component. Student posters under topics with a * will also be eligible for student poster awards. At least one poster author must register for the conference and attend the poster session.

POSTER PROPOSAL SUBMISSIONS, due by March 25, 2018
- SUBMIT VIA TEXT BOX ONLY for the March deadline. (Note: Actual posters will be due electronically by April 10, 2018. All poster presenters are responsible for printing their own work for the conference. Stands will be provided. Your final poster should be no larger than 42" x 60" and can be either in landscape or portrait orientation.)

Title
- Title: The title must be included.
- Author and Affiliation: Poster proposals are reviewed via double blind process. No author or affiliation information is to be included on any poster proposal. This will change, of course, for the final poster production.
- Footers: Do not include any.

Body of the Poster Proposal (beginning under title information)
- Length: Poster proposals should generally be between 250 - 500 words.
- Biographical Information: Do not include any within your poster proposal.

Recommendations
- Poster proposals should disclose primary findings when possible. Avoid promissory statements such as "experiments are in progress" or "results will be discussed" unless you are certain those results will be available for the April 10 deadline.
- Proofread the poster proposal for clarity, completeness, good writing, and any typos. Consider asking someone to look over your writing before submission.

Typical reasons for Abstract Rejection (from past conferences):
- Abstract poorly written
- Not enough new information
- Clear objective and/or hypothesis missing
- Methods (either quantitative or qualitative) inadequate and/or insufficient to support conclusions
- Summary of essential results inadequate and/or missing
- Study conclusions are not supported by the data
- Linkage between different parts of the abstract not comprehensible
- Study/word too preliminary or insufficient to draw conclusions

FINAL POSTER SUBMISSION and GENERAL POSTER GUIDELINES (April 10, 2018 deadline)
- Poster help can be found here: http://guides.library.cornell.edu/poster .
- Electronic versions of the entire poster should be submitted AND a printed version will be needed for the April 21 event.
    - Electronic versions will be accepted in PowerPoint (one slide) or PDF formats. After the conference, posters will be available for viewing in an online gallery.
    - All poster presenters are responsible for printing and transporting their own work for the conference. Stands will be provided. Your final poster should be no larger than 42" x 60" and can be either in landscape or portrait orientation.
- At least one poster author must register for the conference and attend the poster session on April 21, 2018.

Typical Sections
- Background
- Objectives
- Research Design/Program Description
- Results/Evaluation
- Conclusion(s) and Future Plans
- References/Citations
- Contact/follow-up information
- Acknowledgments (not required, but a good gesture)

Expected Content and Form
- Describe briefly all parts of the project/study, including why the outcome did or did not work as expected.
- The viewer should gain new knowledge or insight by visiting your poster.
- Use graphics (charts, tables, pictures) that can be understood in one minute or less.
- Keep any text brief.
- If outside sources are included, use IEEE citation format. Guides for IEEE style can be found online:
    - http://ieeeauthorcenter.ieee.org/wp-content/uploads/IEEE_Style_Manual.pdf
    - http://chec.engineering.cornell.edu/ieee-citation-format/ .
- Student posters that are eligible for awards will be judged by members of the ASEE St. Lawrence Section. Judges will consider the poster's relevance to the topics addressed above as well as the poster content, and

visual presentation, and effective communication from the student(s). Prizes will be awarded to the best student posters whose topics are in a * category above.

POSTER SESSION LOCATION
- Saturday, April 21, 2018 Duffield Hall Atrium. Cornell University. Ithaca, NY 14853.
- All poster presenters should have their work in place at least 15 minutes before the event begins (time TBA).
- Posters should be removed at the close of the event.
- Stands will be provided.

SUBMISSION FORM
Please use the form on the conference website to submit your application to participate in the poster session. Poster proposals are due March 25, 2018. Final posters due electronically by April 10, 2018.