

2022 FEAS Research Symposium, October 12th, 2022

Poster Competition - Call for Abstracts

Symposium Objectives

The Faculty of Engineering and Applied Science is hosting its 2nd Research Symposium on October 12th, 2022, the Queen's Engineering Research Networking Day 2022. The purpose of this event is to showcase our research accomplishments, give rise to new research collaborations, and promote networking with industry partners. The Symposium also aims at increasing the visibility of our new faculty hires and early career researchers in general. Students will have an opportunity to present their research work during the Poster Competition.

Poster Competition Overview

The Poster Competition is an excellent opportunity for students (Master's, PhD, undergraduate) and Postdoctoral researchers within FEAS to present their research accomplishments, network, and become aware of research work performed in other areas of engineering. Poster presenters will also have a chance to win a best poster award (one award per Symposium theme - see next page). The poster awards, valued at \$400 each, will be presented at the wine & cheese reception. Poster presenters are invited to attend the reception.

Important dates

Date	
Friday, Aug. 12 , '22	Abstract submission deadline
Friday, Aug. 26 , '22	Email notification to applicants
Friday, Sept. 30 , '22	Deadline for emailing the poster file to: feas.researchadmin@queensu.ca (Presenters are responsible for printing their own posters)
Wednesday, Oct. 12 , '22	Poster Competition (12:00pm-1:30pm)

Instructions on abstract/poster preparation

- Abstracts may be submitted by email to feas.researchadmin@queensu.ca by **Friday, August 12, 2022 at 4:00pm**
 - Abstracts may not exceed 150 words
 - You may select up to 3 applicable symposium research themes (see Table 1) for the submission, listed in terms of relevance
 - Indicate 6 key words

- Title of prospective poster
 - Name and department of author(s), supervisor and presenter
 - Author(s) email(s)
- Applicants will be notified by email (feas.researchadmin@queensu.ca) by **Friday, August 26th, 2022**
 - The main intention of this Poster session is to showcase a broad range of research topics and researchers. Due to space limitations, the maximum number of posters to be displayed this year will be approximately 50. Abstracts will be selected based on merit, relevance to the Symposium, and potential impact in their field of research. Additional criteria, such as space limitations and equal opportunity for all faculty to present their work at the Symposium will also be used in the selection of abstracts.
 - Poster presenters must email an electronic file of their poster **by 4:00pm on Friday, September 30, 2022** to feas.researchadmin@queensu.ca. The presenters are responsible for the printing of their own posters.
 - Posters must be set up **by 10:15am on Wednesday, October 12, 2022** and taken down **by 4:30pm** on the same day.
 - **Poster preparation guidelines:** Posters must be displayed on a 24"x 36" paper board, in landscape orientation, and effectively communicate the research program, while minimizing text and effectively utilizing visuals. Any questions or concerns regarding the Research Symposium Poster Competition may be directed to feas.researchadmin@queensu.ca.

Table 1: Research themes for this year's Symposium (examples of sub-themes in brackets).

No.	Theme
1	Low-Carbon Energy (Nuclear materials; Renewable energy; Energy storage & electric vehicles)
2	Engineering for Climate Change and Resilience (Resilience of buried infrastructure, bridges, buildings, and railways; Dams and tailings storage facilities for mine waste; Water body changes and improving coastline resilience)
3	Sustainability & Environmental Engineering (Protecting environmental and human health through air, water and soil; Environmentally friendly materials, including bio-sourced or recycled material; Sustainable and circular economies for materials, chemicals, and bioindustries)
4	Biomedical Engineering (Biomechanics; Tissue engineering; Medical technology, including biosensors)
5	Intelligent Systems and Robotics (AI; Sensor systems, Computer Vision and Human-Computer Interfaces; Robotics and autonomous vehicles)

6	Information and Communications Technologies (Information technologies; Communications technologies)
7	Materials, Resources and Manufacturing (Polymers; Industrial process modeling and control; Manufacturing technology, including metal forming, additive manufacturing; Mining and extraction; Modeling, fluid dynamics and design)