



Canadian Society for Chemical Engineering
Société canadienne de génie chimique

CSChE Best PhD Dissertation Award

Terms of Reference

This award recognizes an outstanding Canadian doctoral dissertation that contributes to the advancement of the field of chemical engineering. The nominated dissertation must be from the calendar year prior to when the award is given.

Deadline

March 1st of every year

Award

First and second prizes – plaques. The awardees will be invited to give a keynote presentation at the Canadian Chemical Engineering Conference.

Eligibility

- The dissertation work must have been completed in a graduate chemical engineering program of a Canadian university.
- The nominated dissertation must be from the calendar year prior to when the award is given, i.e., the date printed on the dissertation cover page must be from the prior year.
- The nominee must be a member of the CSChE.

The nomination package must include:

- Nomination letter by the nominator (maximum 3 pages)

The nomination letter should include a concise statement describing the student's theoretical as well as practical contributions made in the work. This is particularly important for manuscript-based dissertations where multiple authors may have contributed to the work.

- Curriculum vitae, in which the nominee's research contributions are listed (maximum 2 pages)
- Dissertation synopsis – abstract (maximum 2 pages)

Submission of Nomination

Nominations for CSChE Awards are submitted electronically through [ScholarOne](#).

- A PhD supervisor is limited to a single nomination per year. Self-nominations by students will not be accepted.
- Nominations for this award are valid for one year only.

Evaluation Criteria

Nominations will be evaluated based on the following:

- i. Scientific and technical quality of the research;
- ii. Contributions to the advancement of chemical engineering;
- iii. Originality of the research; and
- iv. Clarity of presentation.

Selection Committee

- CSChE Awards Director as Chair of the Committee
- Student Affairs Director
- Publications Director
- One other representative from the CSChE Board of Directors

Note: The award shall be presented annually unless the Selection Committee considers that no suitable candidate has been nominated.

List of Recipients

2020 Winners

First place

Nadia Shardt, MCIC

University of Alberta, Edmonton, AB



Dr. Nadia Shardt studied chemical engineering for her undergraduate and doctoral degrees at the University of Alberta. She completed her PhD thesis under the supervision of Prof. Janet Elliott on the topic of fundamental thermodynamics to describe diverse processes in engineering and other applications. In addition, Nadia is interested in applying engineering principles to the design of cryopreservation protocols for clinical use. During her graduate studies, she received an Alexander Graham Bell Canada Graduate scholarship from the Natural Sciences and Engineering Research Council of Canada (NSERC), an Alberta Innovates Graduate Student Scholarship, and a TW Fraser and Shirley Russell Teaching Fellowship. Currently, she is investigating ice nucleation to improve our understanding of the atmosphere in the group of Prof. Ulrike Lohmann at ETH Zurich, funded in part by an NSERC postdoctoral fellowship.

Second place

Nariman Yousefi, MCIC

McGill University, Montréal, QC