



**37th Annual CNS Conference
41st CNS/CNA Student Conference**

“Our Nuclear Future: Renewal and Responsibility”

**Niagara Falls, Ontario, June 4-7, 2017
Sheraton on the Falls Hotel**



Call for Student Papers

In June, 2017, the Canadian Nuclear Society (CNS) will be hosting the 41st Annual CNS/CNA Student Conference and the 37th Annual CNS Conference in Niagara Falls, Ontario, Canada. Together, these conferences aim to promote meaningful connections within the community of nuclear science and technology through the exchange of views, ideas and information.

As students, you represent the future generation of this industry, and your active participation is strongly desired and encouraged. The central theme of this year’s conference is: “Our Nuclear Future – Renewal and Responsibility”, and it is important that students be given the opportunity to be an active part of this conversation. As such, we are soliciting papers from students in both undergraduate and graduate levels on all topics related to this theme and, in particular, on topics related to the application and advancement of nuclear science and technology.

The highlight of the student conference is the poster session, during which students are given the opportunity to discuss their work face-to-face with conference attendees. Your poster is meant to be a visual aid during these conversations, in which you present the most significant information and results published in your paper. Remember that the range of technical expertise of the poster session attendees will vary greatly, and it is important for you to understand your audience and to converse at an appropriate level. This is a highly technical industry whose future rests heavily on the ability of its representatives to communicate clearly with the public. With this in mind, one student from each submission category (Undergraduate, Master’s and Ph.D.) will be presented with an award during the conference Honors and Awards Luncheon, recognizing both the technical aspects of the work as well as their ability to present the topic in a clear, concise and compelling manner.

In addition to this, during the conference students will have the opportunity to meet and converse with leaders from both industry and academia and to participate in the full range of conference activities:

- In-depth technical sessions given by experts in a broad range of current research topics
- Plenary sessions given by distinguished speakers
- Exhibits with industrial leaders showcasing their latest nuclear products and technology
- Social events to facilitate building strong relationships within the community (this includes a conference reception, daily lunches and coffee breaks, and a banquet evening)

Students should also note that the CNS will be distributing subsidies to aid with the cost of their travel and accommodations.



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Potential Technical Topics

- Reactor Safety and Licensing
- Reactor and Radiation Physics
- Thermalhydraulics
- Advanced Reactors and Fuel Cycles
- Fusion Science and Technology
- Process Systems and Chemistry
- Instrumentation and Control
- Materials Issues for Existing and New Reactors
- Uranium, Prospecting, Purification and Utilization
- Safety Culture, Worker Protection, Health Physics, and Quality Assurance
- Radiation Protection
- Plant/System Reliability, Maintainability, Operability and Safety
- Plant Life Extension, Refurbishment and Aging
- Operating Experience and Maintenance
- Environment and Spent Fuel Management
- Medical Physics, Isotope Production and Applications
- Oil Sands and Desalination Applications
- Effective Communication with respect to all Nuclear-Related Topics
- Other topics are acceptable, provided they relate to the theme of the conference

Guidelines for Submission

- Student papers should present facts that are new and significant, or represent an in-depth review
- They should include enough information for a clear presentation of the topic
- Each paper should be no more than 5 pages in length and should strictly adhere to the format of the template provided on the conference website:

<http://cns2017conference.org/>

- Several important features of this template include:
 - Proper referencing of all related published information
 - Inclusion of the name(s), affiliation(s), and contact information of the author(s) and their supervisor(s) below the title of the paper
 - Inclusion of a short summary (50-100 words) at the beginning of the paper
 - MS Word “Normal” margin size
- Full paper submissions (in MS Word format, please) can be made through the electronic submission system:

<https://www.softconf.com/h/CNS2017Students>

To help with planning, authors are kindly asked to log in to the submission site and input the title and main author of their planned paper even before making the final paper submission.

Contact information

Student Conference Committee
John Luxat (Chair): luxatj@mcmaster.ca
Andrew Ali: andrew.ali@amecfw.ca
Kendall Boniface: bonifak@mcmaster.ca

General

CNS Office: 416-977-7620

Executive Chair of the CNS Conference

Daniel Gammage

Important Dates (Deadlines Extended)

Submission Deadline: **March 17, 2017**
Notification of Acceptance: **April 21, 2017**
Submission of Revised Paper: **May 19, 2017**