



NEWSLETTER

CNS UPDATE

MESSAGE FROM THE PRESIDENT

The CNS is currently undertaking to revive and modernize the CNS Bulletin. In the meantime, the Executive has decided to use CNS UPDATES to Communicate with the members and supporters of CNS on a regular basis. This is the first CNS UPDATE; it introduces your 2020-2021 Council and Executive, the CNS Post-Covid-19 Recovery Task Force initiative, a brief over view of the CNS Strategic Plan and some upcoming CNS events in 2020. From its inception in 1979, CNS effectively provides a forum to engage and educate the public, provide informed, fact-based information about nuclear science and technology across Canada and, internationally, through international conferences and meetings of nuclear experts. CNS needs your continued support to fulfill its vision and mandate. I urge you to become CNS member and renew your membership regularly, by visiting the CNS website www.cns-snc.ca which also contains more information about CNS activities. You can provide your feedback by e-mail to cns_office@cns-snc.ca.



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2020-2021 CNS EXECUTIVE

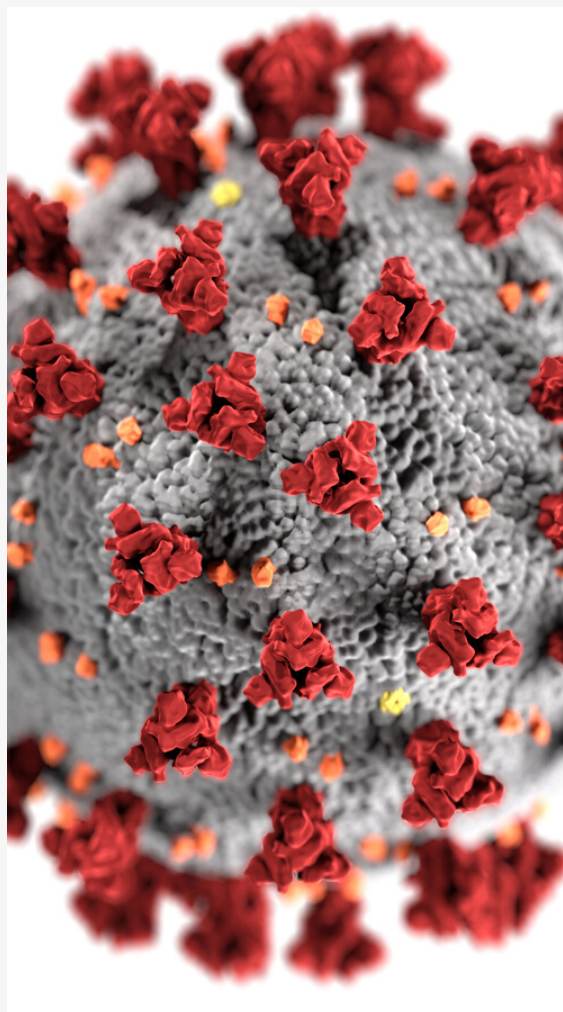
President	Aman Usmani
Past President	Keith Stratton
1st VP	Kamal Verma
2nd VP	Derek Lister
Secretary	Ruth Burany
Treasurer	Daniel Gammage

2020-2021 CNS COUNCIL

Andrea Armstrong	David Malcolm
Kirk D. Atkinson	Guy Marleau
Ruth Burany	Ujjal Mondal
Rudy Cronk	Dorin Nichita
Jerry Hopwood	Peter Ottensmeyer
Daniel Gammage	Tracy Mrimeau
Touraj Ghaznavi	Chary Rangacharyulu
Mohinder Grover	Paul Spekkens
Guy Hotte	Keith Stratton
Colin Hunt	Cheryl Tasker-Shaw
Paul Jones	Aman Usmani
Doddy Kastanya	Kamal Verma
Wilson Lam	Mohammed Younis
Derek Lister	CNA President

CNS POST-COVID-19 TASK FORCE

On account of the Covid-19 pandemic, the CNS has had to cancel various events that keep our membership and stakeholders engaged and provide value. Consequently, as a not-for-profit organization, the CNS will take a financial hit in 2020. Even when the social gathering restrictions are lifted, it is very likely that the community will be cautious and the travel and participation in larger CNS events may not be fully restored. The CNS has therefore formed a Task Force led by CNS President Aman Usmani to deliberate and propose recovery options to the Executive and the Council. The CNS will then develop a plan for alternative ways to hold the same or different events to generate revenue and keep membership and stakeholders engaged and interested. These steps will support a recovery going forward in 2021 as we prepare for a more normal mode of operation.



OBJECTIVE OF THE TASK FORCE

Generate strategy and options for:

- Delivering CNS events using alternate ways. such as use of technology.
- Determining the types and frequency of events that can be delivered virtually to provide value for membership and stakeholders .
- Staying sustainable and relevant consistent with CNS vision, mandate and goals

The tasks undertaken by this Task Force include:

- Preparation of specification and selection of virtual platform for CNS.
- Survey of membership and stakeholders to seek feedback .
- Facilitation of Branch event delivery using virtual platform.
- Development of new and enhancement of existing CNS courses potentially in collaboration with Universities and UNENE



STRATEGIC PLAN

Strategic initiatives are to improve the likelihood CNS will be sustainable for the next generation by focusing on:

- Activities directly aligned with the mission and,
- Business support infrastructure While some strategic initiatives currently underway will continue, the primary thrust for 2020-21 will be more tactical in nature to recover from the impact of Covid 19

CNS VALUES

The CNS:

- Constantly strives to provide trustworthy, objective, accurate and easy-to-understand information that conveys an appreciation of nuclear Science, Engineering & Technology concepts, and their benefits to society.
- Endeavours to determine, employ, and disseminate the best available scientific information and methodologies.
- Respects and supports its members through professional development, training, education, and the open exchange of ideas and information.
- Seeks no net gain or financial reward for its work and activities.
- Conducts itself at all times in an open, ethical, and professional manner.
- Is apolitical and objective in its work and activities.

CNS MISSION

Support and promote Nuclear Science, Engineering & Technology, and related fields, by:

1. Acting as a forum for the exchange of ideas and information.
2. Advancing education, knowledge and understanding.
3. Enhancing and maintaining the professional and technical capabilities of those involved in the field, particularly in the Canadian context.

CNS VISION

The CNS is the organization of choice in Canada for the Nuclear Science, Engineering & Technology community and its stakeholders seeking accurate information about nuclear related disciplines and issues.

- Stakeholders include the general public,
- labour unions,
- government,
- educational institutions,
- the private sector,
- and media representatives.

DARLINGTON UNIT 2-SUCCESSFUL REFURBISHMENT AND RETURN TO SERVICE

- leadership along with its service providers for successful completion and return to service of the newly refurbished Darlington Unit 2, supplying Ontarians with green, clean and sustainable electricity at competitive rates for next 30 plus years.
- CNS fully supports nuclear power now and in the future to continue to supply electricity in Canada and across the world to combat climate change.
- CNS commends the OPG plan to refurbish the other units of Darlington and its vision to look ahead for the nuclear new build in Ontario and wishes continued success

CNS UPCOMING EVENTS IN 2020

GENERATION IV & SMALL REACTOR TECHNOLOGY (G4SRT) DIVISION (WILSON LAM, DIVISION CHAIR)



EVENTS PLANNED IN 2020

- 2-Day Virtual Summit in November 2020 with focus on Canadian SMR Action Plan Launch, and Keynotes from Canada, US, UK, EU.
6 Plenaries & Webinars
- Advancing SMR deployment in Canada
- Strategies to minimize and potentially recycle nuclear waste - Advanced SMRs in New Brunswick
- Enabling Advanced Nuclear Technology Deployment in the United States
- Microreactors as Clean Energy Option for Canada
- SMR Hybrid Energy Systems and Hydrogen
- Indigenous Engagement Practice for Nuclear Projects in Canada
- Pre-Summit and Post- Summit Webinars
- Upcoming Webinars planned for 2020 and co-hosted by CNS and OCNi (may be subject to change, please see forthcoming CNS email for details and registration details):
- July 30 (Thurs), 2020 - Advanced Manufacturing in Enabling SMR Deployment, Invited Speaker, Charles Carpenter, Senior Technology Officer at the U.K. Nuclear Advanced Manufacturing Center (NAMRC).

EVENTS CONT'D

- August 20 (Thurs), 2020 - Integrated Safety Assessment Methodology (ISAM) - Invited Speaker, Dr.Thambiyah (Nithy) Nitheanandan, Director, Canadian Nuclear Safety Commission (CNSC)
- Sept. 17 (Thurs), 2020 - Establishing requirements for Advanced Reactors – Invited Speakers: Andrew Sowder, Senior Technical Executive, Electric Power Research Institute (EPRI); Rachna Clavero, Deputy CEO, CANDU Owners Group (COG)
- FREE - registration required. Please register here:
- <https://ocni.webex.com/ocni/onstage/g.php?MTID=e57de66d6441655190b74a20ee396659c>

2-DAY VIRTUAL SEMINAR ON AI, MACHINE LEARNING AND INNOVATION (EVENT CHAIR MOE FADAAE)

Topics to include

- Innovation
- Artificial intelligence and Machine Learning,
- Digitation, big data and high-performance computing,
- Advanced data analysis methods and techniques

Currently in Planning for September 2020

CNS COURSES- APPEAL FOR INSTRUCTORS & COURSE MATERIAL



CNS will like to resume providing virtual courses. If you have given any CNS courses (see list on the next page) and are willing to offer a course, please advise CNS office at cns_office@cns-snc.ca with cc. to Dr. Peter Ottensmeyer, Chair CNS Education Committee; email:ottensmeyer@sympatico.ca

On the other hand, if you are not able to offer a course in 2020-21 you have given in the past, would you kindly provide such course material to the CNS office and cc Chair, Education committee. This material will be used with proper acknowledgment of the original preparer as seed material by another CNS instructor to further develop this course.

CNS COURSES LIST

COURSE NAME	LAST HELD / PLANNED	DURATION
CANDU Technology and Safety Course	2019 March (2020 November)	3 Days
CANDU Fuel Technology Course	2019 October	2 Days
Nuclear-101	2019 May (2020 October)	2 Days
Nuclear for Everyone	2019 June Before Technology & Safety Course was Instituted	3 Hours
CANDU Reactor Safety Course		3 Days
Nuclear Safety Culture	2019	
Thermalhydraulics Course	2017 December	2 Days
CANDU Reactor Physics Course	2011 May	3 Days
ROP-NOP Course	2009 March	2 Days
Eddy Currents for Engineers	2007 January	2 Days
CANDU Chemistry Course	2007 January	2 Days
CANDU Configuration	2017	1 Day



More information to come soon
on the CNS website
www.cns-snc.ca