

Canadian Nuclear Achievement Awards

Prix canadiens
pour contributions nucléaires
exceptionnelles



Canadian Nuclear Society/
Canadian Nuclear Association
2021 Awards

2021 June 8

Ramzi Jammal
Ian McRae Award



Mr. Ramzi Jammal is currently the Executive Vice President and Chief Regulatory Operations Officer of the Canadian Nuclear Safety Commission (CNSC). Throughout his career, he played a key leadership role in modernizing the regulatory framework for nuclear facilities and nuclear activities, to ensure stability and credibility of the regulatory framework in Canada. Mr. Jammal is a strong, motivational leader who demonstrates an innate ability to facilitate meaningful dialogue, discussion, and debate.

Mr. Jammal led the reforming of the licensing process which led to the establishment of a generic licence supported by a Licence Conditions Handbook that clearly outlines verification criteria for the CNSC to verify compliance. In addition, he led the introduction of risk-informed decision-making methods to regulatory requirement activities in Canada, which resulted in enhancements to both safety and efficiency.

In recent years, Mr. Jammal played a key role in the development of a robust regulatory framework for the deployment of small modular reactors in Canada, by leading the development and implementation of the pre-licensing Vendor Design Review process for new reactor designs. Of note are also his contributions and international negotiations with regulatory bodies in the United States and United Kingdom, which mark an important step toward the harmonization of regulatory requirements between Canada and these two countries with respect to small modular reactor technologies.

Mr. Jammal has been a major driving force in advancing the Canadian regulatory system to ensure the safety of our communities and the environment. For his achievements, Mr. Ramzi Jammal is being presented with the Ian McRae Award.

Mahesh D. Pandey
Harold A. Smith Outstanding Contribution Award



Dr. Mahesh Pandey has a Bachelor of Engineering from Bhopal University in India, and a Ph.D. and M.A.Sc. from University of Waterloo. He is currently a Professor in Civil and Environmental Engineering at the University of Waterloo, as well as an NSERC Industrial Research Chair in Risk and Life Cycle Management.

Dr. Pandey has made significant contributions to the area of reliability analysis and probabilistic modelling of engineering systems. He is an internationally recognized researcher in his area of expertise, who has received several awards and fellowships for his contributions to research excellence including the Governor General of Canada's Gold Medal and Ontario's Premiere Research Excellence Award.

His primary research accomplishments include stochastic models for time-dependent reliability analysis and life cycle assessment, the Life-Quality Index framework for societal risk management of technological systems, and the probabilistic assessment of nuclear plant systems, structures and components. In addition, Dr. Pandey has had a key role in setting up research collaborations between the nuclear power industry and University of Waterloo, led countless exceptional research projects and industrial applications of risk/reliability analysis methods, to improve performance of nuclear power plants in Canada and abroad. Professor Pandey has also mentored many students and junior researchers who have gone on to positions in the Canadian nuclear industry. Through these well-trained personnel, the industry has been strengthened with respect to risk and life cycle management capabilities.

Jacquie Hoornweg
Harold A. Smith Outstanding Contribution Award



Ms. Jacquie Hoornweg holds a joint Master's Degree in Communications Management from McMaster-Syracuse Universities. She is a natural born educator who speaks with passion about the nuclear sector and innovative work her clients are undertaking.

She consistently demonstrates her ability to communicate complex and often sensitive nuclear energy concepts, from policy to science and technology, to non-nuclear audiences including youth, general public, and policy-makers at all levels including Ministers and Leaders. Ms. Hoornweg is passionate about the role nuclear energy can play as an important part of the solution to climate change, about innovation and education. Her work with NRCan on the book *Breakthroughs: Nuclear Innovation in a Clean Energy System* is a testament to that passion and skill.

While working with both CANDU Owners Group and Ontario Power Generation, Ms. Hoornweg continually demonstrated her care for communities, and her selflessness in helping organizations, individuals, and causes has shone through. In addition to being a diverse communicator, Ms. Hoornweg has also been invaluable in developing strategies for the organizations she has been involved with, linking strategic thinking and communications into various aspects of the nuclear sector. For example, in 2020, she played a key role in the launch of Canada's Small Modular Reactor (SMR) Action Plan, where she liaised between industry stakeholders to ensure a common and coordinated social media presence and developed engaging content which highlighted the potential role of SMRs, reaching a wide range of stakeholders both domestically and internationally.

***Steve and Trystan Beninger
Education & Communication Award***



Mr. Steve Beninger is a Fuel Handling Nuclear Operator at Bruce Power and has been a resident of Teeswater for more than 25 years. Driven by the increased spread of misinformation in his community regarding the Deep Geological Repository and the nuclear industry in general, Mr. Beninger, helped by his daughter Ms. Trystan Beninger, created an educational video explaining the process of handling and storing irradiated fuel.

The video clearly describes how irradiated fuel is managed at Bruce Power, explaining basic radiation concepts in an easy to understand and factual way. In the video, Mr. Beninger provided a hands-on look that helped not only tell but also show the process.

This type of communication is impactful and valuable as it adds a human component to a technical topic and encourages people to form opinions that are based on factual information.

For their initiative and example of what nuclear advocacy should look like, Mr. Steve Beninger and Ms. Trystan Beninger are awarded the Education and Communication Award.

Mohinder Grover
Fellow of CNS



Dr. Mohinder Grover has worked in the nuclear industry for more than 40 years, at Ontario Power Generation / Ontario Hydro, Atomic Energy of Canada Limited and Candu Energy Inc. He is a recognized expert in Quality Assurance in the design and operation of nuclear power plants and has been recognized for his excellence in engineering and volunteer work by the Professional Engineers Ontario organization and the Government of Ontario.

Mr. Grover joined the Canadian Nuclear Society in 2008 and became a member-at-large on the CNS Council in 2010. Since then, he has been continuing with his involvement as a member of Council and making noteworthy contributions through his volunteering as part of CNS Conference Organizing Committees, CNS Operating Committees and taskforces, and supporting various CNS missions. The Committees and taskforces that Dr. Grover is a part of include the Scholarship Committee, Contracts Subcommittee, Inter-society Committee, and Post Covid-19 Recovery Taskforce.

As part of the Conference Organizing Committees, Dr. Grover performed the role of Treasurer or Co-Chair of the Sponsorship and Exhibit Committee. In these roles, he always demonstrated enthusiasm, professionalism, teamwork and sound judgement. In addition, Dr. Grover is a promoter of diversity and building strong relationships, and has participated in the Terry Fox run for 36 consecutive years.

2020 - 2021 CNS/CNA Honours and Awards Committee

The following members of the H&A Committee took part in the review of the submitted nominations, and/or contributed to the text and assembly of this H&A Brochure:

Ms. Ruxandra Dranga

Canadian Nuclear Laboratories, CNS/CNA H & A Co-Chair

Ms. Tracy Primeau

Bruce Power, CNS/CNA H & A Co-Chair

Mr. John Gorman

CNA President

Dr. Aman Usmani

Kinectrics, CNS President

Ms. Jennifer Chapin

Ontario Power Generation, H&A Committee Member

Mr. Daniel Gammage

Kinectrics, CNS Past President

Mr. Guy Hotte

Kinectrics, CNS 2nd Vice President

Dr. William Kupferschmidt

Retired, H & A Committee Member

Mr. Derek Mullin

NB Power, H & A Committee Member

Mr. Ovidiu Nainer

Bruce Power, H & A Committee Member

Dr. Peter Ozemoyah

Tyne Engineering, CNS Past President

Dr. Benjamin Rouben

12 & 1 Consulting, CNS Past President

Mr. Keith Stratton

Stratton Consulting Inc., CNS Past President

Mr. Kamal Verma

SNC – Lavalin Nuclear, CNS 1st Vice President

Dr. Robert Walker

Retired CNL President and CEO, H & A Committee Member

Dr. Jeremy Whitlock

IAEA, CNS Past President