

Canadian Nuclear Achievement Awards

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Canadian Nuclear Association
Association nucléaire canadienne



Canadian Nuclear Society/ Canadian Nuclear Association 2011 Awards Program

Sheraton on the Falls Hotel,
Niagara Falls, Ontario, Canada
Tuesday, 2011 June 07

Paul Spekkens - Outstanding Contribution Award



Dr. Paul Spekkens received his Bachelor's degree in Chemistry from the University of Ottawa and his Ph.D. in Chemistry from McMaster University. Paul started his career at Ontario Hydro (OH) with the Research Division in 1977. In 1993, he moved to the Nuclear Technology Services Division at the head office as the Manager of the Chemistry & Metallurgy Department. He moved rapidly up the ranks and is presently the Vice President of the Science and Technology Development Division at Ontario Power Generation (OPG).

In his early years, Paul conducted research on the chemistry control of key CANDU Systems, such as the Moderator and the Heat Transport System, to minimize material degradation due to corrosion processes. He also conducted research on decon-

tamination technologies to minimize radiation dose to operating and maintenance personnel. Later, he was responsible for managing the Chemistry Program, and the life cycle management of Steam Generators, Feeders and Fuel Channels. He has helped to establish UNENE (University Network of Excellence in Nuclear Engineering) and has played a key role in managing OPG's R&D Program.

Paul has won many awards including the WANO Nuclear Excellence Award in 2003 and the McMaster University Faculty of Engineering Leadership Award in 2010. Paul is a mentor and an inspiration to many young nuclear professionals. He has made fundamental and long-lasting contributions not only to OH/OPG, but also to the Canadian nuclear industry at large.

Mike O'Neill - Outstanding Contribution Award



Mike O'Neill started his career with Ontario Hydro in 1980. He spent the first 20 years working in reactor physics safety analysis. In 2000, he was made the Manager of the Reactor Safety Engineering Department at Pickering B. From 2005 until his retirement in 2011, he was the Manager of the Nuclear Safety Analysis and Technology Department. In this role he also assumed leadership of the OPG Reactor Safety Program, the Risk and Reliability Program and the Fuel Program.

Mike O'Neill has made numerous outstanding contributions to reactor operational safety. Some of these are: uncertainty analysis for maximum channel and bundle power; rod-based guaranteed shutdown state; leadership of the industry nuclear safety committee;

championing the development and implementation of the best-estimate and uncertainty analysis methodology; and resolution of the heat transport aging management issue by implementing enhancements to neutron overpower analysis methodology.

Throughout his career, Mike O'Neill has been sought for his sage advice by working-level staff and by senior managers, within OPG and by other Canadian Nuclear Operators.

Mike O'Neill's commitment to excellence, selfless devotion to his staff, his colleagues and the industry have earned him a very high level of respect from all echelons with OPG and the broader nuclear industry.

Derek Lister – Outstanding Contribution Award



Dr. Derek Lister is a Professor Emeritus at the University of New Brunswick. He has been involved in the Canadian nuclear community for over four decades, dating to 1969 when he first came to Canada from the UK to work for AECL at Chalk River. Over his 23 years at AECL, Derek solidified his position as one of the leading world experts in activity transport in reactor coolant systems, a topic that relies on fundamental understanding of materials corrosion and disposition of corrosion products.

Upon moving to academia in 1992 as the NSERC Chair in Nuclear Engineering at UNB, Derek established a world-class nuclear research laboratory at UNB. He continued investigating in the areas of activity transport, heat

exchanger fouling mechanisms and flow-accelerated corrosion in CANDU feeders and feedwater systems. He has supervised the research of over 50 students.

Even in retirement he continues his leading-edge programs at UNB and continues to train students. He sits on numerous nuclear-industry boards and expert panels including the AECL Advisory Panel, the Advisory Council to the Canadian Nuclear Waste Management Organization, the UNENE Board of Directors, and the Expert Panel for the NRCan Generation IV Reactors Technology Program. He has been an active member of the Power Plant Chemistry Working Group for the International Association for the Properties of Water and Steam.

AECL MFMI Team

John S. Hewitt Team Achievement Award



(from left: Glen Kyle, Nithy Nitheanandan, Bob O'Connor)

The objective of the Molten Fuel-Moderator Interaction (MFMI) experiments conducted by T. Nitheanandan, G. Kyle and R.F. O'Connor was to address one of the very low probability postulated accident events in CANDU reactors. The program was the first of its kind in the world that looked at the behaviour of molten corium ejected from a pressurized vessel. The program provided numerous technical challenges and required extensive communication and interaction between the experimenters, industry sponsors and the CNSC, all of whom were involved in establishing the requirements for the tests.

The experiments demonstrated

that, if molten fuel is ejected at high pressure, the melt particles will be finely fragmented when they interact with the surrounding heavy water, resulting in a gradual energy transfer and a modest rate of pressure increase that would not pose a risk to the calandria vessel integrity,

The experiments convincingly demonstrated the inherent safety of currently operating CANDU reactors and successfully provided a positive answer to a generic safety concern.

The dedicated effort of the MFMI team over eight years, despite technical, regulatory and logistical challenges, was instrumental in the success of the work.

*2009-2010 NRU Return-to-Service Team
John S. Hewitt Team Achievement Award*



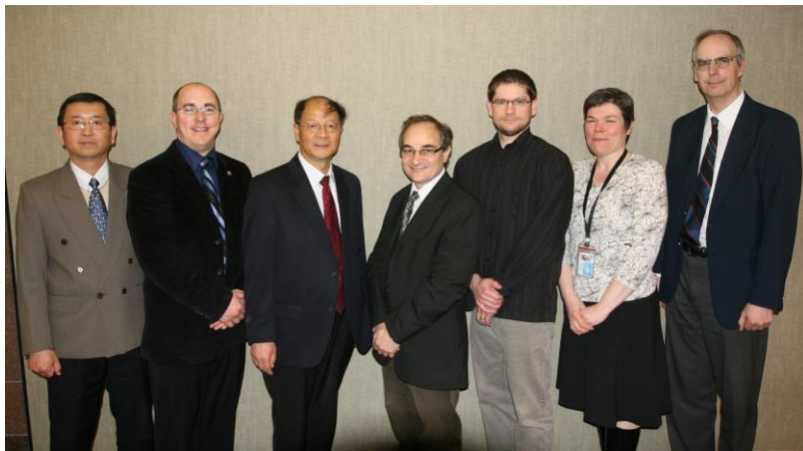
On May 14, 2009 the NRU reactor at Chalk River Laboratories was shut down due to loss of electrical supply from the provincial grid. Subsequent investigation revealed a leak of heavy water at the bottom of the reactor vessel.

For the next 15 months a small army of engineers, skilled trades, operators, managers and support staff laboured at one of the most complex, unique, and time-pressured repair jobs ever attempted in industry. Through the dedication and skill of this team, which included between 300 and 400 AECL staff in addition to several hundred staff from supplier organizations fulfilling over 40 separate contracts, the NRU was successfully repaired and restarted to high power by August 17, 2010.

The successful return-to-service of NRU involved no single line of management, no single technical discipline, and no single company. It was a coordinated effort involving hundreds of individuals on demanding schedules (often 24/7), working with skill and pride toward a common goal.

This award specifically recognizes the following corporate contributors to the NRU 2009-2010 Return-to-Service, which are considered to be the major players: AECL, Promation Nuclear Ltd., The Welding Institute, Eclipse Scientific, CentreLine (Windsor) Ltd., Liburdi Automation Inc., Goldak Technologies Inc., and ODIM Numet. In addition, over 30 other companies contributed to the NRU 2009-2010 Return-to-Service team.

CNSC NRU Return-to-Service Team John S. Hewitt Team Achievement Award



*From left: Xuejun Wei, Benjamin Prieur, Zhaojing Zeng, Miguel Santini, Jamie MacDonald, Nathalie Riendeau, Étienne Langlois
(Not in the picture: Reuben Marini, Blair Carroll, Sue Liu)*

During the 15-month unplanned outage of the NRU reactor, the Canadian Nuclear Safety Commission (CNSC) formed a small team to ensure that AECL had clear requirements and expectations for its multi-faceted work program. This core group of 10 CNSC personnel had to adapt requirements to the unique technical challenges of the NRU repairs, and sought out process efficiencies to ensure the CNSC remained off the ‘critical path’ for the restart of the reactor.

The CNSC group demonstrated outstanding performance, thus inspiring the rest of the project team. Good communications were also required and the team ensured that team members and CNSC Management had up-to-the-

minute information at critical times. As well, there was open dialogue on technical issues allowing the CNSC to provide a clear and early feedback to AECL.

The core team took the leadership role from the beginning, defying both technical challenges and time constraints, contributing to the success of the project, with new ideas, efficient new processes and extremely hard work.

The core group of the CNSC NRU Return-to-Service Team comprised the following staff:

Miguel Santini, Etienne Langlois, Reuben Marini, Jamie MacDonald, Ben Prieur, Nathalie Riendeau, Blair Carroll, Zhaojing Zeng, Sue Liu and Xuejun Wei.

Liburdi NRU Team – Innovative Achievement Award



The Liburdi NRU Repair Team comprised seventy-five professional engineers, engineering technologists/technicians and specialists from Liburdi Automation Inc. They worked together in a coordinated effort and under extreme pressure in order to return the NRU to public usefulness as quickly as possible.

Between June 2009 and April 2010, the Liburdi NRU Team was responsible for creating the repair procedure, including the design and manufacture of specialized, one-of-a-kind tooling to execute the repair, which returned NRU safely back to service in August 2010. This included critical consideration to key elements of the repair tools, such as functional,

mechanical and performance requirements inside the reactor, vision systems, electrical systems, and control and instrumentation. Tool delivery systems through a narrow access point, design of the weld build-up tool, and contingency tooling were also important.

The Liburdi NRU Repair Team designed and developed the repair tools to conduct the horizontal and vertical repair welds inside the reactor. The team introduced or brought into effect new concepts in the attainment of a difficult goal in the nuclear field in Canada, namely the returning of NRU safely back to service in just a little over a year from the date the team became involved in the project.

Bryan White – Education and Communication Award



Bryan White is a former chair, long-time member, and tireless supporter of the CNS Education and Communications Committee. Addressing a significant gap in the teaching and comprehension of radiation, Bryan designed, developed, and implemented a comprehensive, yet user friendly, radiation workshop which he and others have presented to high school science teachers across the country.

Called “Be Aware of NORM” (Naturally Occurring Radioactive Materials), the workshop provides teachers with a physics review of radioactivity, and introduces them to a series of classroom experiments. Realizing that both teachers and students alike are becoming numb to “virtual” experiments Bryan has effectively re-introduced the sense of awe and discovery to students by utilizing

the AWARE RM-80 Geiger counter, coupled to computer display software, which has allowed students to make real, live measurements from a variety of sources.

Bryan also recognized the need for sensitive measurement equipment in the classroom, and developed a Geiger kit for distribution to high school science teachers, complete with Geiger, radioactive sources, instructions, experiments, and a feedback channel. Requests to the CNS for this kit have been numerous.

Through Bryan’s determination, vision, technical expertise, and selfless dedication to the improvement of science education, the CNS is today able to offer an accessible, reasonably affordable, and sorely needed curriculum resource to the Canadian high school classroom.

Igor Pioro – Education and Communication Award



Dr. Igor Pioro is an Associate Professor and Graduate Program Director in the Faculty of Energy Systems and Nuclear Science at the University of Ontario Institute of Technology (UOIT) in Oshawa, Ontario. He has developed and taught courses in nuclear engineering that cover a broad range of areas, including laboratory methods and experiments. He has taught courses at the University of Ottawa and the National Academy of Sciences, Kiev, Ukraine.

Dr. Pioro has (co-)authored several books that have made significant contributions to nuclear engineering education. This includes the book entitled “Heat Transfer and Hydraulic Resistance at Supercritical Pressures in Power Engineering Applications” (2007).

His book entitled “Transfer Processes in Two-Phase Thermosyphon Systems - Theory and Practice” (2005) was awarded the First Prize from the National Technical University of Ukraine as the Best Technical Book of 2007.

Dr. Pioro has made significant efforts in improving the understanding of nuclear science and technology among educators, students and the public. His contributions have been recognized nationally and internationally through awards and honours. Dr. Pioro has received enthusiastic feedback from his students. He has contributed significantly to graduate level education in his capacity as the Director of Nuclear Engineering Programs at UOIT.

Jim Harvie – Fellow of CNS

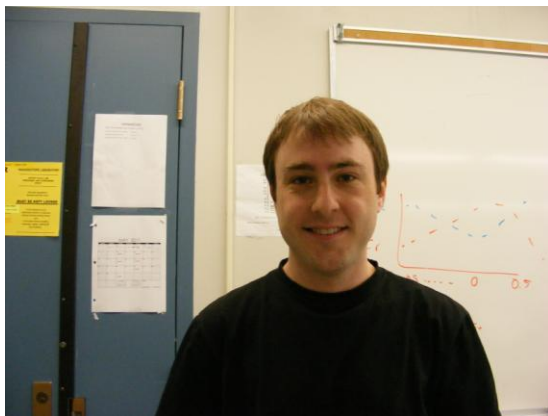


Jim Harvie started his work career at the AECL Chalk River Laboratories. In 1974 he moved to the Atomic Energy Control Board as Project Officer at the Bruce Nuclear Power Development. In 1991 he was made the Director General of the Research and Safeguards Directorate, becoming deeply involved with the IAEA and Canada's international partners in Safeguards and Non-Proliferation. From 1996 until his retirement in 2002, Jim was the Director-General of Reactor Regulation at the Canadian Nuclear Safety Commission. He

dealt firmly and wisely with a number of significant issues. On the international front, Jim was Canada's head of delegation at the first review meeting of the signatories of the International Nuclear Safety Convention.

Jim has been a strong contributor to the CNS for many years. He spent two years as Chair of the Ottawa Branch before he was elected to the position of Treasurer of the CNS in June 2005. He continued on the CNS Executive through 2010, and was CNS President for the Council year 2008-2009.

Kevin Daub – R.E. Jervis Award



Kevin Daub is a graduate student in the Department of Chemistry at The University of Western Ontario. His graduate research work is in the area of oxide growth and conversion on metal surfaces in the extreme aqueous environments created by ionizing radiation and high temperatures. His work focuses on the impacts of these conditions on the corrosion of nuclear reactor materials.

Kevin's research efforts have led to very valuable results and to published technical reports. He has presented his work in prestigious conferences, including as an invited speaker at the Gordon Research Seminar on Aqueous Corrosion and as an invited plenary speaker at the 8th International Radiolysis, Electrochemistry and

Materials Performance Workshop. His presentations have won poster prizes at the CNS/CNA Student Conference and at the Surface Science Division of the Canadian Society for Chemistry. Already requests have been received from national and international laboratories for his participation in collaborative projects.

Kevin's work is giving valuable insights into the types of corrosion films that can be generated in reactor systems and the conditions that control the film type and growth rate. Understanding this will help to optimize reactor operations and maintenance, including the procedures and chemical control to maintain protective oxide films.

The W.B. Lewis Medal

2010 - Guy Marleau	1987 - Archie Robertson
2007 - Daniel Rozon	1986 - Eugene Critoph
2004 - Michel Pettigrew	1985 - Harold E. Johns
2003 - Ronald E. Mitchel	1984 - Franc Joubin
1999 - David Torgerson	1983 - Albert Pearson
1998 - John Davies	1982 - Ernest Siddall
1997 - Douglas Chambers	1981 - Robert G. Hart
1996 - Donald Hurst	1980 - Ara Mooradian
1994 - Terrance E. Rummery	1979 - John S. Foster
1993 - J. Terry Rogers	1978 - William G. Morison
1992 - Joseph McKeown	1977 - Arthur G. Ward
1991 - Robert E. Jervis	1976 - John W. Hilborn
1990 - Daniel A. Meneley	1975 - George C. Laurence
1989 - Gordon Brooks	1974 - Harold A. Smith
1988 - Brian Cox	

The Ian McRae Award

2010 - Ken Nash	1990 - Jon Jennekens
2007 - Michael Lees	1989 - Nicholas Ediger
2005 - Gary Kugler	1988 - James Donnelly
2004 - Duncan Hawthorne	1987 - John Kostiuk
2003 - Paul Koenderman	1986 - Arthur O'Connor
2002 - Stu Groom	1985 - William Bennett
1999 - Reid Morden	1984 - Larry Woodhead
1998 - Bernard Michel	1983 - Frank Foulkes
1997 - Ralph Green	1982 - Roy Errington
1996 - Donald Anderson	1981 - George Pon
1995 - Robert Morrison	1980 - John Runnalls
1994 - Elgin Horton	1979 - Yvon de Guise
1993 - Walter Smith	1978 - William Brown
1992 - Paul Scholfield	1977 - Lorne McConnell
1991 - Stanley Hatcher	

Outstanding Contribution Award

- 2010 - The operations staff, past and present, of the ZED-2 research reactor
- 2010 - The Leadership Team of OPG's Nuclear Training Division
- 2009 - R.W. Barnes
- 2008 - Neil Craik
- 2008 - Juris Grava
- 2008- Ian Wilson
- 2007 - Keith Scott
- 2006 - Allan Brown
- 2006 - Ian Hastings
- 2006 - Robert Tapping
- 2006 - Declan Whelan
- 2005 - Rod White
- 2005 - Mohan Mathur
- 2005 - George Bereznai
- 2005 - John Roberts
- 2005 - Vladimir Paskievici
- 2004 - Brien Stewart
- 2004 - Ken Talbot
- 2004 - John Luxat
- 2003 - Syd Aldridge
- 2003 - René Godin
- 2003 - Kenneth Petrunik
- 2003 - Frank Stern
- 2002 - Bal Kakaria
- 2002 - Bill Schneider
- 2002 - Ken Smith
- 1999 - Michel Rhéaume
- 1997 - William Hancox
- 1997 - Alastair Miller
- 1997 - James Smith
- 1997 - Groupe Centre Canadien de Fusion Magnétique
- 1997 - Ken Dormuth, Phyllis Gillespie, Sidney Whittaker
- 1996 - Donald Lawson
- 1996 - John D. Murphy
- 1996 - Howard Rae
- 1996 - NRX Team, 1947-1992
- 1995 - Malcolm Harvey
- 1995 - Norman Sagert
- 1994 - Don Charlesworth
- 1994 - Adi Dastur
- 1994 - Jack Howett
- 1994 - Ray Silver
- 1994 - Pickering B "A" Crew, Ontario Hydro
- 1993 - Ernie Farris
- 1993 - Werner Fieguth
- 1993 - Hugh Irvine
- 1993 - Richard Williams
- 1993 - Pickering Unit 4 Retube/Rehab Team, Ontario Hydro
- 1992 - George Howey
- 1992 - John Ingolfsrud
- 1992 - John Murphy
- 1992 - Kenneth McCallum
- 1992 - Wolsong 2 Negotiating Team, AECL/EACL, CANATOM
- 1991 - John Dyke
- 1991 - Frank Finley
- 1991 - Noel O'Brien
- 1991 - Roger McKenzie
- 1990 - Ken Elston
- 1990 - Les Haywood
- 1990 - Don Hurst
- 1990 - Lloyd Secord
- 1989 - Norman Aspin
- 1989 - Pat Campbell
- 1989 - Alan Lowell
- 1989 - Benoit Michel
- 1989 - K.G. Zimmerman
- 1989 - Eldorado Nuclear Ltd./ Eldorado Nucléaire Limitée

Fellows of the Canadian Nuclear Society

2010 - Jadranka (Jad) Popovic	1997 - Paul Fehrenbach
2010 - Morgan Brown	1996 - Terry Rogers
2009 - William Schneider	1996 - Bill Midvidy
2008 - Ken Smith	1995 - Dave Torgerson
2008 - Jeremy Whitlock	1995 - Bob Jervis
2006 - William Garland	1995 - Michel Ross
2004 - Parviz Gulshani	1994 - Daniel Rozon
2003 - Ralph Green	1994 - Stan Hatcher
2003 - Hong Huynh	1994 - Fred Boyd
2002 - Brent Lewis	1993 - Alan Wyatt
2001 - Paul Thompson	1993 - Ken Talbot
2000 - Jerry Cuttler	1993 - Terry Rummery
1999 - Ben Rouben	1993 - John Foster
1998 - Richard Bolton	1992 - George Howey
1998 - Hugues Bonin	1992 - John Hewitt
1998 - Daniel Meneley	1992 - Phil Ross-Ross
1997 - Edward Price	

Education & Communication Award

2009 – Claudia Lemieux, Clair Ripley	2004 - Clair Ripley
2008 - Douglas Lightfoot	2003 - Clive Greenstock
2007 - Engin Ozberk	2002 - Adam McLean
2007 - Scientists in Schools	2001 - Reza Moridi, William J. Garland
2006 - John K. Sutherland	2000 - Murray Stewart
2006 - Deep River Science Academy	1999 - Jeremy Whitlock
2005 - Douglas Boreham	1998 - Morgan Brown
2005 - JAL Robertson	1998 - Ronald Hancock
2005 - Jaroslav Franta	1997 - Aslam Lone

John S. Hewitt Team Achievement Award

- 2009 – NRU (National Research Universal)
- 2006 - Town of Kincardine and OPG
- 2006 - McMaster Reactor Team
- 2005 - The AECL Finned Strainer Team
- 2005 - The International Tunnel Sealing Experiment - AECL Whiteshell
- 2003 - The Bruce A Restart Safety Analysis Team for crucial contribution to the success of Bruce Power in receiving a licence for the restart of Bruce A Units 3 and 4
- 2003 - AECL's Hydrogen Recombiner Development Team for the development of a passive autocatalytic hydrogen recombinder, which has attained commercial success.
- 2000 - The Korean-Canadian Wolsong 2,3 & 4 Project Team (KEPCO, KOPEC, KAERI, DAEWOO, HANJUNG, HYUNDAI, AECL and CANATOM NPM) for outstanding teamwork in completing the Wolsong 2,3 & 4 Project on schedule.
- 2000 - T. Cousins, T.A. Jones, J.R. Brisson (DREO); J.E. McFee (DRES); T.J. Jamieson, E.J. Waller, F.J. Lemay (SAIC) and H. Ing, E.T.H. Clifford, E.B. Selkirk (BTI) for the creative conceptualization and innovative application of a thermal- neutron-activation-based system for detecting non-metallic land mines, allowing the effective detection and removal of these deadly devices.
- 1998 - John Skears, Charles Chang and Tung Toong, for the development of the SOPHT Computer Code.
- 1997 - C.C. Davison, K.W. Dormuth, P. Gillespie, M.A. Greber, K. Johansen, L.H. Johnson, G.R. Simmons, S. Whitaker, A.G. Wikjord, R. Zach, and all team members at Atomic Energy of Canada Limited and Ontario Hydro, for Development of the Concept, and Preparation of the Environmental Impact Statement for Disposal of Canada's Used Nuclear Fuel.
- 1996 - Staff of Point Lepreau G.S., for excellence in nuclear power plant operation and exceptional sustained plant performance.
- 1996 - Charles Kittmer, Roger Joynes and Larry Green, for the development and demonstration of micro-sampling of pressure tubes.
- 1995 - Don McLean, Bill Morgan and Mitch Ohta, for the development and demonstration of dry spent-fuel storage.

R.E. Jervis Award

- | | |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2010 - Aba Mortley (Royal Military College) | 2002 - Lt. Larry Unsworth (Royal Military College) |
| 2008 - Emily Corcoran (Royal Military College) | 2001 - Lt. Michael Walker (Royal Military College) |
| 2007- Michael Broczkowski (University of Western Ontario) | 1998 - Evon Reynolds (University of Toronto) |
| 2007- Jared Smith (University of Western Ontario) | 1997 - Capt. Danny Pagé (Royal Military College of Canada) |
| 2005 - Laura-lee Innes-Brown (Royal Military College) | 1997 - Mark Ho (University of Toronto) |
| 2004 - Bill Santos (University of Western Ontario) | 1996 - Sophie Wang (University of Toronto) |
| 2003 - Sarah Attia (University of Toronto) | 1994 - Hilary Fritas (University of Toronto),
Doug Pinto (University of Toronto) |
| 2002 - Tutun Nugraha (University of Toronto) | |

CNA International Award

- 2003: Dr. Robin Jeffrey, Past Chairman and Chief Executive of Bruce Power, and Past Chairman and Chief Executive of British Energy
- 1991: Lord Walter Marshall, Charter Chairman of the World Association of Nuclear Operations (WANO) and Past Chairman of the United Kingdom Central Electric Generating Board (CEGB).
- 1990: Lars Gustafsson, Senior Vice President, Swedish State Power Board
- 1988: Robert Janin, Director, Fuel Division, Électricité de France
- 1986: Mr. William States Lee, President and CEO of Duke Power
- 1985: Mr. Gaishi Hiraiwa, past Chairman, President and CEO of Tokyo Electric Power Company

Innovative Achievement Award

2009 - Ajit Muzumdar,
Daniel Meneley

2007 - K. Kozier, P. Chan,
L. Leung, M. Tayal

2006 - Kelvin Tashiro

2006 - Dennis Chen

2003 - Esam Hussein

2003 - Doug Beattie

2000 - Ralph Hart

1998 - Ray Metcalfe

1994 - Tom Holden

1993 - Dé C. Groeneveld

1992 - Andrew Stirling

1991 - Wing Tao

1991 - Bill Morrison

CNS President's Award

2010 - L'Institut de Génie Nucléaire École Polytechnique de
Montréal

2010 - Wladimir Paskievici

2006 - Frederick C. Boyd

2002 - Atomic Energy of Canada Limited

1997 - The Right Honourable Jean Chrétien, Prime Minister of
Canada

2010 - 2011 CNS/CNA Honours and Awards Committee

- Dr. V.S. (Krish) Krishnan
CNS Past President and Committee Chairman
- Dr. Neil Alexander
OCI Past President
- Ms. Susan Brissette
WIN Canada Past President
- Dr. Adrian Buijs
CNS President
- Mr. Frank Doyle
CNS 1st Vice President
- Mr. Dietwald Claus
CNA Research Manager
- Dr. Gary Kugler
NWMO Chair
- Dr. Benjamin Rouben
CNS Past President
- Mr. Ken Smith
CNS Past President
- Dr. Jeremy Whitlock
CNS Past President
- Dr. Mohamed Younis
AMEC NSS

Logistical Support:

Denise Rouben - CNS Office

Plan to Attend

The 33rd CNS Annual Conference

and

**The 36th Annual CNS-CNA Student
Conference**

**“Celebrating 50 years of Clean Electricity
from Nuclear Energy in Canada”**

When: 2012 June 10 – 13

Where: TCU Place

#35 22nd St. E.,

Saskatoon

Saskatchewan S7K 0C8

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