



April 19, 2008

2008 APEGGA Summit Awards® Recipients

Honorary Life Membership • John McLeod, P.Eng. (Calgary)

• for eminent service and leadership as president of the association

With more as more than 37 years in the domestic and international upstream oil and gas industry, both as an engineer and as management, John McLeod, P.Eng., has been a professional member of APEGGA since 1972. Assuming numerous leadership roles with the association, he has served on several committees, tasks forces and council. As a member of council he served two terms (2006-present; 1986-1989) and as president of the association in 2007-2008.

Honorary Membership • Roger D. Thomas (Calgary)

• for service by a non-member in the development of new material, equipment, techniques, philosophy or management related to engineering, geology or geophysics

A recognized business leader, Roger Thomas is a strong community supporter and advocate of best-in-class engineering. As president of the Alberta Chamber of Resources and as a current governor and past-chair of the Canadian Association of Petroleum Producers, he has championed strategic and proactive efforts to address key issues facing the petroleum industry including reputation, climate change and labour shortages. With more than a decade of community service, he takes a strong leadership role in both local and national organizations. Currently, Thomas is first vice-chair of the Canadian Chamber of Commerce, serves as division co-chair for the Calgary United Way Engineering, Energy Services Supply Division and as a director of Careers: The Next Generation.

The Alberta Ingenuity Fund Research Excellence Award • Dr. Wayne D. Grover, P.Eng. (Edmonton) • for innovative research used to improve economic and social well-being

An inventor, researcher and educator in telecommunications research and development, Dr. Wayne Grover, P.Eng., is recognized as a leading expert in survivable broadband networks. Early in his career he worked in radio telescope development at the Dominion Radio Astrophysical Observatory and served in the Canadian Armed Forces (Reserves) as a military engineer. He is a professor in the department of electrical and computer engineering in the University of Alberta's Faculty of Engineering and, to date, has produced 33 patented inventions (five pending), 73 journal publications, five book chapters and more than 150 technical reports, seminars and peer-reviewed conference papers.

The L.C. Charlesworth Professional Service Award • Dr. Om P. Malik, P.Eng. (Calgary)

• for diligent service to the professions and the association

Through his work with APEGGA, the Institute of Electrical and Electronics Engineers (IEEE), the International Federation of Automatic Control and the Institution of Engineering and Technology, Dr. Om Malik, P.Eng., has shared his knowledge and experience for 36 years. Currently professor emeritus in the Schulich School of Engineering's department of electrical and computer engineering, he has published 306 papers in reputed international journals such as IEEE's *Transactions*. In addition, he has presented more than 298 papers at various international and national conferences, and written seven book chapters, including two in *Encyclopedias of Electrical Engineering*, and 54 other publications.



The Frank Spragins Technical Service Award • Dr. Krishnaswamy Nandakumar, P.Eng. (Edmonton) • for recognized integrity, expertise and outstanding accomplishments

Dr. Krishnaswamy Nandakumar, P.Eng., joined the University of Alberta's department of chemical and materials engineering in January 1983. Conducting both fundamental and applied research in the area of computational fluid dynamics, he focuses on computer modeling of a variety of chemical, electrochemical, mineral and polymer processing operations commonly encountered in chemical engineering. Since joining the university he has published more than 120 papers in refereed, international journals and has delivered an equivalent number of conference presentations. Most recently he has received the Meritorious Research Award from the Environmental Science and Technology Alliance Canada, and in 2001 he was awarded the Killam Annual Professorship by the U of A in recognition of excellence in research, teaching and community service.

The Excellence in Education Award • Dr. Ayodeji A. Jeje, P.Eng. (Calgary) • for exemplary contributions to teaching and learning

A passionate educator with an infectious enthusiasm, Dr. Ayodeji Jeje, P.Eng., has been a professor in the Schulich School of Engineering's department of chemical and petroleum engineering since 1980. Through his position as the associate dean of teaching and learning, he holds workshops on effective teaching practices and student learning, enhancing the educational experience for engineering students. Striving to ensure that students' academic experiences are positive, he is a counselor and advisor whose skills have led to exceptional teaching evaluations and to many teaching excellence awards throughout his career.

The Early Accomplishment Award • Laura Lucier, P.Eng.

• for exceptional achievement in the early years of a professional career

From humble beginnings as an undergraduate student studying mechanical engineering at the University of Calgary, Laura Lucier, P.Eng., has reached for the stars. After finishing a masters degree in aerospace engineering, Lucier joined the Canadian Space Agency in 2002. Sent to NASA's Johnson Space Center as part of Canada's role in the International Space Station program, she is one of only nine Canadian flight controllers, only two of which are Canadians, and is the first Canadian woman working at the front-room level, the highest level in the robotics discipline. She has received several awards, including the NASA Flight Controller Award, three NASA Group Achievement Awards and a NASA Spaceflight Awareness Team Award for her work.

The Community Service Award • Dr. V.S.V. Raj Rajan, P.Eng. (Edmonton)

• for outstanding contributions to society

With a motto of help all in need of help, dedicated volunteer Dr. V.S.V. Raj Rajan, P.Eng. has served the Alberta community for more than a quarter century. Focusing not only on today's professionals, but also on building the skills of tomorrow's leaders, he is a registered mentor in both APEGGA and Society of Petroleum Engineers, volunteers with APEGGA's Outreach Program and sits on the Northern Alberta Institute of Technology's chemical engineering technology curriculum advisory board. Rajan also volunteers with Economic Development Edmonton's engineering and technical services cluster. He is now a member-at-large of Edmonton Economic Development Corporation's architecture, engineering and construction cluster. He is a volunteer for the Alberta Lung Association, the Canadian Cancer Society, the Taoist Tai Chi Society and the Terry Fox Run.



The Outstanding Mentor • N. Tom E. Greenwood-Madsen, P.Eng. (Edmonton)

• for exceptional achievement as a mentor

Active in the APEGGA Mentoring Program since its inception in 2004, Tom Greenwood-Madsen, P.Eng. has mentored numerous people using thoroughness and care, according to testimonials from his proteges. Considered a mentor's mentor – a role model and the standard by which other mentors can be measured – he encourages proteges to determine their own course of action for meeting goals and objectives. Greenwood-Madsen also dedicates a considerable amount of time to the program's recruitment and support activities including mentor and protege coaching sessions, information sessions, mentoring circles and the annual mentoring conference.

The Environment and Sustainability Award • University of Calgary Child Development Centre Energy Systems (Calgary) • for excellence towards preserving the environment and sustainable development through the application of engineering and geoscience

The University of Calgary's Child Development Centre (CDC) is a four-storey, 12 thousand sq. m building housing not only a child-care facility but a full continuum of researchers, clinicians and frontline workers dedicated to child health and development in the first six years of life. The CDC serves as an example of resource-efficient design in a large commercial building, with a 71 per cent estimated reduction in annual energy cost and a CO₂ emissions reduction exceeding 90 per cent relative to the energy code reference design. A 55 per cent reduction in annual water use, relative to the Canada Green Building Council reference design, was also achieved, making it Alberta's first LEED® Platinum structure, the highest level of environmental performance obtainable.

The Project Achievement Award • Dr. Chris J. Backhouse, P.Eng. (Edmonton)

• for projects demonstrating a substantial contribution to technical progress and the betterment of society.

Dr. Chris Backhouse, P.Eng., has successfully pursued the challenge of developing state-of-the-art medical diagnostic systems that have the potential to provide a dramatic societal benefit by improving the accessibility of our health care and providing a significant manufacturing opportunity for Alberta industry. Currently a professor and director of engineering physics at the University of Alberta he has been developing lab on a chip microfluidic technologies. In collaboration with Micralyne, a world-leading micro/nanofabrication foundry located in Alberta, Dr. Backhouse helped develop their Microfluidic toolkit (μ TK). Sold around the world, the μ TK perform chip-based diagnostics in minutes instead of hours or days and at much less expense than their conventional counterparts.

The Centennial Leadership Award • Clayton Riddell, P.Geol. (Calgary)

• for highest distinction as an executive or director of a continuing enterprise

A long time leader in the oil and gas industry, Clayton Riddell, P.Geol., is recognized as a pioneer in shallow gas drilling. Through mapping surface geology in the N.W.T. and Yukon he gained experience that led him to open his own consultancy firm in 1969. In 1971, he incorporated Paramount Oil & Gas Ltd. which worked with Nova to extend its transportation system to the area in 1982. This major lateral extension, the Liege Lateral, became known as the line that Clay built. In 2003, Riddell and Paramount Resources created a new public entity, Paramount Energy Trust. This was followed by the creation of Trilogy Energy Trust in 2005 and more recently MGM Energy Corp. Riddell has also made significant contributions to many charitable causes including the University of Manitoba and is one of the owners of the Calgary Flames.



The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

BACKGROUND

Note: photos of Summit Awards® recipients are available.

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