



APEGGA
The Association of
Professional Engineers, Geologists
and Geophysicists of Alberta

NEWS RELEASE

April 28, 2003

EXCELLENCE IN ENGINEERING AND GEOSCIENCE RECOGNIZED AT THE 2003 APEGGA SUMMIT AWARDS® GALA

Calgary – Over 800 guests attended the 2001 Summit Awards® Gala, Friday, April 25 at the TELUS Convention Centre in Calgary. This event, hosted by The Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA) acknowledges outstanding individuals and corporate members for their accomplishments in engineering, geology and geophysics.

Eleven awards were presented this year celebrating superior leadership, early accomplishment, environmental excellence, technical and educational achievement, professional and community service, project innovation and distinguished service to the Association. In addition to recognizing excellence, the awards raise awareness of and pride in these professions in an eyes of the business community, students, educators and the general public.

Now in its thirteenth year, the Summit Awards® honor professional engineers, geologists and geophysicists whose determination, commitment and leadership has a significant and long-term impact on the professions, the Association and the communities in which they live. This year's theme, **Igniting the Passion: Shaping the World**, highlights the passion these professionals have for their work and the contributions they have made in finding innovative and creative solutions which help us all enjoy life's potential.

Established in 1920, APEGGA is responsible for regulating the practice of engineering, geology and geophysics in the province of Alberta. The Association's 38,000 individual and corporate members play a significant role in every segment of the economy, and their technical and management expertise ensure Alberta remains at the forefront of technological innovation.

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Note: A list of the 2003 Summit Awards® recipients is attached.

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APEGGA Centennial Leadership Award • Dr. S. Chan Wirasinghe, P.Eng. (Calgary)

For highest distinction to an executive or director of an outstanding project

As Dean of Engineering at the University of Calgary, Dr. Wirasinghe has proven himself to be a leader in engineering education, research and public and professional service. In his nine years as dean, he has propelled the faculty to new heights, giving Alberta one of the most successful and modern engineering schools. His determination to build collaborative teams focused on successful outcomes has broken down traditional departmental barriers and led to the creation of the Calgary Centre for Innovative Technology (CCIT). This national engineering research facility will establish a new era for multidisciplinary engineering research and education in Alberta.

APEGGA Honorary Life Membership • Ron Tenove, P.Eng. (Edmonton)

For eminent service allied with the profession

Completing his term as President, Mr. Tenove has been a member of APEGGA since 1972. Mr. Tenove has assumed numerous leadership roles with APEGGA, serving on Council (1999-2001), as first vice president (2001-02) and as president (2002-03). Prior to assuming an executive role on APEGGA's Council, Mr. Tenove served on numerous committees and was Chair of the Red Deer Branch Executive (1977-1979).

APEGGA Honorary Life Membership • Charlie Weir, P.Eng. (Edmonton)

For eminent service allied with the profession

Charlie Weir has been a member of APEGGA for 50 years, receiving the L.C. Charlesworth Award for distinguished service to the engineering profession in 1988. Mr. Weir has over 35 years experience in the practice of engineering, surveying, planning and consulting and has served on many APEGGA committees over the past three decades. Among his numerous other professional affiliations and roles, he has served as the president of the Land Surveyors Association and the Canadian Institute of Surveying and Mapping; as initiating chairman of the Canada Land Surveyors Association; and as president of the International Federation of Surveyors.

APEGGA Honorary Membership • Terry Allen, B.Ed., B.Sc. (Calgary)

For innovation and leadership skills used to contribute to the betterment of society

The words "community" and "science" echo through everything Terry Allen does. His career as an educator and his extensive volunteer work have contributed to greater awareness of science throughout Alberta and across Canada. Mr. Allen has been actively involved in the science fair "movement" since the early 1960's and was an integral part of the evolution of the highly successful Science Alberta Foundation as well as other science programming within the Calgary community.

APEGGA Community Service Award • Raju V. Paul, P.Eng. (Calgary)

For outstanding contributions to society

Raju Paul accents his professional status with a vigorous record of community service (both locally and within the international community), primarily through his association with Rotary International. Since joining Rotary in 1989, Mr. Paul has become active at the club, district and national levels, as well as being involved in numerous humanitarian projects and Rotary missions in developing countries. In May 2001, Rotary International took special note of Mr. Paul's achievements by presenting him the highest honour available to Rotarians, the "Service Above Self" award.

**APEGGA Early Accomplishment Award • Kim Farwell, P.Eng., M.B.A. (Fort McMurray)
For exceptional achievement in the early years of a professional career**

In just seven years with Syncrude Canada Ltd., Kim Farwell has begun a career filled with challenge and achievement. Her actions have directly improved Syncrude's profitability, her contributions include solving short term production upsets to finding ways to increase the overall production capability of the plant. The breadth of talent Ms. Farwell has demonstrated is exceptional and she has proved herself able to take on different challenges and responsibilities. In addition, Ms. Farwell has been very active within APEGGA, serving as secretary, vice chair and chair of the Fort McMurray branch, and has just been elected to Council.

**APEGGA Excellence in Education Award • Dr. James Haslett, P.Eng. (Calgary)
For exemplary contributions to teaching and learning**

Over the 30 year span of his teaching career, James Haslett has contributed greatly to undergraduate and graduate teaching in a variety of ways and has received significant recognition for his efforts. Dr. Haslett has been the recipient of 13 teaching awards and his graduate students have won national awards. In addition, he has developed significant teaching materials for the world wide web for three of his courses and has been instrumental in establishing new undergraduate and graduate teaching and research programs and facilities at the University of Calgary.

APEGGA Frank Spragins Technical Service Award • Dr. Sieghard E. Wanke, P.Eng. (Edmonton)

For recognized integrity, expertise and outstanding accomplishments

As an engineering researcher, Sieghard Wanke has made major contributions in a number of areas in the broad field of catalysis and chemical reaction engineering. As an engineering educator at the University of Alberta, he has provided a role model for other faculty and inspired countless students to succeed in their engineering studies and careers. In his capacity of chair of the Department of Chemical and Materials Engineering, he has been a strong leader and administrator. In all his activities, Dr. Wanke has proven himself to be a consummate professional – truly a professional's professional.

**APEGGA Environmental Excellence Award • Dr. Daniel W. Smith, P.Eng. (Edmonton)
For environmental preservation and practice of sustainable development**

For more than three decades, Daniel Smith has made water and cold regions – two topics of vital importance to Canada – a focus of his environmental engineering research. Public consciousness, influenced by events such as those in Walkerton, Ontario, is keenly attuned to questions of water quality as well as to northern climatic change, including receding permafrost. Improving water and wastewater treatment – through cheaper systems, better containment reduction and easier operation – have been keystones in Dr. Smith's research. His pioneering and multi-faceted research in these areas and cold region engineering applications continues to be translated into practical applications.

The Alberta Ingenuity Fund Research Excellence Award • The Fold-Fault Research Project (Calgary)

For innovative research used to improve economic and social well being

The Fold-Fault Research Project (FRP) employs the best of academic and industrial synergism to enhance the development of Alberta's hydrocarbon energy resources. Sub-surface faulted regions – such as those in the foothills of the Rockies and in the Laird and Mackenzie-Beaufort areas of the Northwest Territories – represent significant unexplored potential for natural gas. The challenge for resource companies is knowing enough about faulted regions to drill efficiently and effectively. FRP knowledge is allowing the petroleum industry to make informed decision when it drills in faulted areas, by basing its decisions on improved imaging and understanding of 3-D geometries. Directors from the project train highly qualified personnel, disseminate results in reports and refereed publications, lead field trips and provide short courses for industry sponsors and the geoscience community. The project has won several awards, among them the Synergy Award from the National Sciences and Engineering Research Council in 2000.

APEGGA Project Achievement Award • Mariah Energy's Suntec Greenhouses Project (Medicine Hat)

For substantial technological progress and betterment of society

Mariah Energy is a distributed micro-utility, providing on-site clean energy solutions. Their objective is to offer greener transitional energy solutions as society moves away from fossil fuel-based energy generation. With this goal in mind, Mariah Energy developed the Clean Heat PlusPower™ (CHP) system, which generates and delivers high efficiency, reliable clean heat and power on-site. Suntec Greenhouses of Medicine Hat, AB is Mariah's first greenhouse installation. Four clean heat and power systems will provide 240 kW of heat and 120 kW of electric power for the greenhouse. Based on the 78% efficiency of each unit and the use of natural gas fuel, the installation will reduce CO2 emissions by up to 976 tons per year as compared to coal-based power generation. Mariah Energy's CHP system demonstrates that Alberta-based companies can design energy efficient technologies specific to an industry such as greenhouse growers in Canada. Adaptation of co-generation technology within the food production sector enhances producers' economic performance as well as their competitive position within the agri-food marketplace.