



The Association of Professional Engineers,
Geologists and Geophysicists of Alberta

BACKGROUND

April 28, 2007

2007 APEGGA Summit Awards® Recipients

Honorary Life Membership • David B. Chalcraft, P.Eng. (Calgary)

• for eminent service and leadership as president of the association

A professional member of APEGGA since 1972, David Chalcraft, P.Eng., has assumed numerous leadership roles with the association, including serving on several boards, committees, task forces and Council since 2003 and as president from 2006-2007. In addition to his volunteer work with APEGGA, Chalcraft has also been involved with the consulting engineering industry's provincial and national associations. Recently he has been active in establishing the Canadian chapter of Registered Engineers for Disaster Relief (RedR Canada).

The Alberta Ingenuity Fund Research Excellence Award • Dr. Gérard Lachapelle, P.Eng. (Calgary) • for innovative research used to improve economic and social well-being

Dr. Gérard Lachapelle, P.Eng., has performed internationally recognized work related to the development of new technologies and novel applications of the Global Positioning System (GPS), a complex satellite system used for precise location, navigation and positioning. In 1988, he joined the University of Calgary, where he is currently a professor in the department of geomatics engineering and holds a Canada Research Chair/iCORE Chair in Wireless Location.

The L.C. Charlesworth Professional Service Award • Dr. M. Gary Faulkner, P.Eng. (Edmonton)

• for diligent service to the professions and the association

As a professor in the department of mechanical engineering at the University of Alberta, and as chair from 1984-1990 and again from 1999-2000, Dr. M. Gary Faulkner, P.Eng., has served on numerous committees within the department and the university. Currently, he is a member of the Alberta Heritage Scholarship Committee and also chair of the APEGGA Board of Examiners, which he joined in 1989. Under his leadership there has been significant growth in both the number of applications reviewed each year and in the size of the board, which now exceeds 40 members.

The Frank Spragins Technical Service Award • Dr. Murray R. Gray, P.Eng. (Edmonton)

• for recognized integrity, expertise and outstanding accomplishments

Dr. Murray R. Gray, P.Eng., joined the University of Alberta in 1983 as an assistant professor and quickly rose to the rank of professor. He has won numerous awards, including the Syncrude Innovation Award for distinguished contributions to the field of chemical engineering before reaching the age of 40. In 1994, his research monograph, *Upgrading Petroleum Residues and Heavy Oils*, was published. It has become the standard reference on the chemistry, thermodynamics and kinetics of heavy oil and bitumen processing.

The Excellence in Education Award • Dr. Uttandaraman Sundararaj, P.Eng. (Edmonton)

• for exemplary contributions to teaching and learning

Dr. Uttandaraman Sundararaj, P.Eng., is a professor in the department of chemical and materials engineering at the University of Alberta. Sundararaj's approach to instruction is his dedication to continuous improvement. In 2005, he received the Rutherford Award for Excellence in Undergraduate Teaching, the highest teaching award at the University of Alberta.

The Early Accomplishment Award • Dr. Shelley Lissel, P.Eng. (Calgary)

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

Dr. Shelley Lissel, P.Eng., is an assistant professor and the associate head, international in the Schulich School of Engineering's department of civil engineering at the University of Calgary. Lissel's direction has led to an increase in the number of international universities with which the Schulich School of Engineering has exchange programs. In 2005, she was honoured with the Schulich School of Engineering's Faculty Service Award for her outstanding contributions.

The Community Service Award • Jatinder (Jay) Singh Riat, P.Eng. (Edmonton)

• for outstanding contributions to society

Jatinder Singh Riat, P.Eng., is the co-chair for the Guru Nanak Dev Healing Garden project at the Mazankowski Alberta Heart Institute and the founding director and a member of the board of trustees for the Guru Nanak Shrine Fellowship (GNSF). GNSF is a worldwide organization for humanitarian service. As the national president of GNSF, Riat has led the community in raising \$2 million to create a unique and tranquil environment for patients recovering from heart surgery.

The Environmental Excellence Award • Dr. Larry W. Kostiuk, P.Eng. (Edmonton)

• for environmental preservation and the practice of sustainable development

In 1991, Dr. Larry W. Kostiuk, P.Eng., joined the department of mechanical engineering at the University of Alberta and is currently chair of the department as well as an accomplished researcher. Kostiuk's research has focused on mitigating the environmental impact of flaring by the upstream energy industry, in particular, the flaring of solution gas. Kostiuk's work has resulted in a pragmatic approach to mitigating emissions now, while still allowing the energy industry to continue to operate effectively and work towards the elimination of flaring in the longer term.

The Project Achievement Award • Agrium ESN-150 Project (Calgary)

• for substantial technological progress and the betterment of society

Controlled Release Fertilizers (CRFs) offer significant benefits to the environment by controlling the delivery of nutrients to the growing crop and thus reducing fertilizer losses to the environment. Agrium and its predecessor companies have been working on the development of Environmentally Smart Nitrogen (ESN), a CRF intended for broadacre agriculture commodity crops. After more than 15 years of process development and field trials, the world's first commercial scale production unit for CRFs targeted at commodity agriculture was started up at Carseland.

The Centennial Leadership Award • Dr. James Montgomery, P.Eng. (Edmonton)

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

Dr. James Montgomery, P.Eng., has had an exemplary career that spans almost 30 years. Much of his career was at Cohos Evamy where he has been the structural engineering principal, leading a broad cross-section of significant building, bridge and specialty engineering projects across Canada. Projects include the Canadian Security Intelligence Service Headquarters in Ottawa, and the North Treatment Centre/Lois Hole Hospital for Women at Edmonton's Royal Alexandra Hospital.

Note: photos of Summit Awards® recipients are available.

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