

# APEGGA Summit Awards® 2007

## Call for Nominations

### RECOGNIZE. . .

the best projects your professions have to offer.

### HONOUR. . .

the brightest and most deserving of your peers.

### BUILD. . .

the value and image of engineering, geology and geophysics in Alberta.

**Prepare a Summit Award® Nomination today.**



Nominations must be received by **September 30, 2006**, to ensure consideration for the 2007 awards. All the information you need is included in this four-page section. If you prefer to use online materials, download a nomination package from [www.apegga.org](http://www.apegga.org)

# APEGGA SUMMIT AWARDS® 2007 Guidelines for Nominations

- All applicable information on the Nomination Forms must be printed or typed and the forms signed by the nominator and up to two (2) seconders. Signatures will be taken as verifying that the data presented is accurate. Handwritten, illegible submissions will be returned and not be considered.
- Download Nomination Package from [www.apegga.org](http://www.apegga.org) or receive by calling APEGGA, 780-426-3990.
- Each nomination shall adhere to the award criteria for which the person/project is being nominated. Each nomination shall be accompanied by adequate supporting documentation. The evaluations will be based solely on the information provided.
- With the exception of the Honorary Membership Award, the nominee must be a member in good standing with APEGGA.
- There is no limit to the number of nominations that may be submitted.
- If there are no nominations meeting the criteria, the award will not be made.
- Material submitted will not be returned.
- Unsuccessful nominations which meet the criteria may be carried forward for one year. Nominators will be contacted to verify information on hand when considering the candidate/project again.

## NOMINATIONS FOR SUMMIT AWARDS® SOLICITED THROUGHOUT THE YEAR

Send in your nominations at any time.

To ensure your nominee is considered in time for the 2006 awards, please submit by September 30, 2005.

Please submit nominations to:

The Association of Professional Engineers,  
Geologists and Geophysicists of Alberta  
1500 Scotia One, 10060 Jasper Avenue NW  
Edmonton AB T5J 4A2  
Fax: 780-425-1722  
Attention: Honours and Awards Committee

## THERE ARE ELEVEN SUMMIT AWARDS

The Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA) bestows 11 SUMMIT AWARDS® which recognize leadership and excellence in the practices of engineering, geology and geophysics, and the contributions of APEGGA professionals to the economy and their communities.

The SUMMIT AWARDS® are the most prestigious awards given by APEGGA. Every day engineers and geoscientists are pushing the envelope — working on their own or in teams, making advances in knowledge and science, and making the world a better place to live in. Every year, the Association of Professional Engineers, Geologists and Geophysicists of Alberta honours members whose determination, inspiration and drive have led them to reach higher — to the summit of achievement.

Nominations are sought from members of the Association and other individuals or organizations.

## AWARD CATEGORIES

- The Centennial Leadership Award
- The L.C. Charlesworth Professional Service Award
- The Frank Spragins Technical Award
- The Community Service Award
- The Excellence in Education Award
- The Project Achievement Award
- The Environmental Excellence Award
- The Early Accomplishment Award
- Honorary Membership Award
- Honorary Life Membership Award
- The Alberta Ingenuity Fund Research Excellence Award

## THE CENTENNIAL LEADERSHIP AWARD

“Awarded to a member who has been in good standing with the Association for at least five years prior to the date of nomination and who has attained the highest distinction relating to the science of engineering, geology or geophysics by reason of having been an executive or director of an outstanding project of continuing enterprise in which the nominee conducted, guided, directed or was responsible for the practice of the specific profession, or who has attained the highest distinction by reason of invention, research or original work, or who has attained the highest distinction by reason of an outstanding or exemplary career in the teaching of these fields.”

Presented annually to an APEGGA member who has made a substantial contribution in the fields of engineering, geology or geophysics. This is the Association’s most prestigious award.

### EVALUATION CONSIDERATIONS

- Executive directorship of an outstanding project or continuing enterprise.
- Invention, research or original work.
- Teaching.
- Member of APEGGA for minimum of five years.

### THEME

The theme is leadership within the profession as a result of the efforts by/of the nominee.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee to consider.

## THE FRANK SPRAGINS TECHNICAL AWARD

“Awarded to members of APEGGA who are recognized by their peers for their integrity, expertise and outstanding accomplishments in fields related to engineering, geology or geophysics.”

Nominees for this award should have a high level of competence in their field and should normally have been APEGGA members for at least ten years.

The award was named after Frank Spragins, P.Eng., APEGGA President, 1975.

Frank Spragins was a driving force behind the Syncrude heavy oil sands project, which is recognized as the largest industrial project ever to be undertaken in Canada. His personal qualities of vigour, imagination, courage and endurance, as well as his negotiating skills, were critical to its success.

### EVALUATION CONSIDERATIONS

- APEGGA member for at least 10 years.
- Degrees and dates.
- Previous APEGGA awards.
- Field of expertise and/or accomplishments.
- Integrity (moral - ethical).
- Other factors (professional papers, meritorious work, public profile, APEGGA committees, etc.).

### THEME

The theme is recognition of technical integrity and expertise as a result of the efforts by/of the nominee.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee to consider.

## THE EARLY ACCOMPLISHMENT AWARD

“Awarded to members of APEGGA in recognition of exceptional achievement in their early years of a professional career as an engineer, geologist or geophysicist.”

### EVALUATION CONSIDERATIONS

- Recipients must reside in Alberta and would be eligible within 10 years of receiving their B.Sc. or equivalent.
- Work related achievements. Maximum 60 points.
- Leadership in the profession and community. Maximum 15 points service to profession and 15 points service to community.
- Enhancement of the quality of life. Maximum 10 points.
- Total evaluation will be a maximum of 100 points and each area for evaluation should be commented on individually.

### THEME

The leading theme is exceptional technical (work related) achievement in the early professional years as a result of the efforts by/of the nominee.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee to consider.

## THE L.C. CHARLESWORTH PROFESSIONAL SERVICE AWARD

“Awarded to members who have served their profession diligently for many years and who have made substantial contributions to the operation of the Association and the advancement of its professional status.”

Candidates should be those who have made substantial contributions to the relevant profession, or the operation of the Association, or the enhancement of its professional status, or in one of the many specialized functions or activities of the profession.

The Award is named after Lionel C. Charlesworth, P.Eng., APEGGA President, 1924.

Lionel Charlesworth was appointed Deputy Minister of Alberta Public Works in 1915 and also served as Deputy Minister of Railways and Telephones until 1921. Until his retirement in 1945, he devoted his life to the highly important work of irrigation in southern Alberta, and was instrumental in establishing the Eastern District in 1935.

### EVALUATION CONSIDERATIONS

- Previous awards.
- Previous nominations.
- Professional papers, seminars, meritorious work.
- List of APEGGA committees and positions candidate has held.
- Work related to advancing the professional status of the Association.

### THEME

The theme is service and contribution to the profession as a result of the efforts by/of the nominee.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee to consider.

## THE COMMUNITY SERVICE AWARD

“Awarded to members of the Association in recognition of outstanding contributions to society.”

The member has devoted time, effort and made outstanding contributions to society.

### EVALUATION CONSIDERATIONS

- Involvement in community affairs.
- Political science.
- Service club affiliations/executive positions held.
- Special assistance to youth.
- Assistance to underdeveloped countries.
- Technical career developments.
- Environmental contributions.

### THEME

The theme is an improved quality of life as a result of the efforts by/of the nominee.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee to consider.

## HONORARY MEMBERSHIP AWARD

“The APEGGA Council may confer Honorary Membership in the Association upon any person who, through his/her own initiative and leadership, has rendered eminent service allied with the profession resulting in the betterment of mankind through the development of new material, equipment, techniques, philosophy or management related to engineering, geology or geophysics.”

Honorary members are exempt from payment of fees, but Honorary Membership shall not per se confer the right to vote, to practice as, or to be called a Professional Engineer, Professional Geologist or Professional Geophysicist.

Persons eligible for APEGGA membership shall not be considered as candidates for this award.

There shall at no time be more than 30 Honorary Members in the Association.

### EVALUATION CONSIDERATIONS

- Honorary members are exempt from payment of fees, but Honorary Membership shall not per se confer the right to vote, to practice as, or to be called a Professional Engineer, Professional Geologist or Professional Geophysicist.
- Persons eligible for APEGGA membership shall not be considered as candidates for this award.
- There shall at no time be more than 30 Honorary Members in the Association.
- Bylaw 27 requires unanimous vote by Council to award Honorary Membership.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee to consider.

## THE PROJECT ACHIEVEMENT AWARD

“The winning project should demonstrate engineering, geological or geophysical skills and represent a substantial contribution to technological progress and the betterment of society. The Association will give credit to those firms and/or persons who have assumed key roles in bringing the project to completion.”

Projects must have been completed, or have reached a significant degree of completion before or during the award year. Nominations will be restricted to projects undertaken, and completed, with a majority of input coming from Alberta engineers, geologists or geophysicists.

Projects located outside the Province of Alberta are eligible if they have been carried to completion under the direction of APEGGA members. Nominations should be accompanied by a brief profile of the project.

### EVALUATION CONSIDERATIONS

- **Uniqueness:** unique application of engineering, geological or geophysical principles to an unusual object (project). Maximum 10 points.
- **Utilization:** possibility to repeat applied engineering, geological or geophysical principles or innovations to traditional practices. Maximum 10 points.
- **Project Process:** built or executed by Canadian and Alberta labour, local contractors, local skills; limited number of imported parts, methods or expertise. Maximum 10 points.
- **Project Location:** higher marks for location in Alberta. Maximum 5 points.
- The project will be evaluated out of a maximum of 35 points and each area for evaluation should be commented on separately.

### THEME

The leading theme is a unique project improving conditions for society and substantially conceived and executed by Albertans.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the project and its achievements which, in the opinion of the nominator qualify the project for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee to consider.

## HONORARY LIFE MEMBERSHIP AWARD

“The APEGGA Council may confer Honorary Life Membership in the Association upon any professional member who has rendered eminent service to the Association. Honorary Life Members are exempt from further payment of annual dues.”

It has been the Association’s practice to grant this award to each outgoing President. The certificate should be dated with the date of the Annual General Meeting when the new President assumes office.

## THE EXCELLENCE IN EDUCATION AWARD

“Awarded to members of APEGGA who have made exemplary contributions to teaching and learning at a recognized post-secondary teaching establishment in Alberta.”

The award has the objective of recognizing excellence in education and in the development and growth of students.

The member has achieved excellence in the field of education in Alberta.

Nominations for the award may be proposed by any group of three persons or more, with at least one person being a professional engineer, geologist or geophysicist, and one being a current or recent student from the nominee’s educational institution.

### EVALUATION CONSIDERATIONS

- Recipient must be an APEGGA member.
- Has not previously received an award.
- Heavily weighted towards personal teaching effectiveness, evidence by the nominee of contributions to the learning environment, evidence of the nominee’s leadership role in improving education beyond the nominee’s own courses, improvement of pedagogy and improvement of services to students and peers.
- Independent evidence of impact of teaching (40 points).
- Independent evidence of contributions to education (10 points).
- Independent evidence of contributions to outreach (10 points).
- Independent evidence of service to students, demonstrating the leadership role that the nominee has played in his/her commitment to the development and growth of the student body (40 points).

### THEME

The theme is excellence in the field of education as a direct result of the efforts by the nominee.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award, together with such supporting evidence as the nominator may wish the Honours and Awards Committee members to consider.

A letter of reference addressing the nominee’s special qualifications for the award, and signed by the nominators to be included.

## THE ENVIRONMENTAL EXCELLENCE AWARD

The award recognizes excellence in the application of engineering, geological and geophysical methods towards preservation of the environment and the practice of sustainable development.

The award is intended to have a broad scope, open to a wide range of projects, individuals, achievements, initiatives and activities contributing to the preservation of the environment. Activities that might be considered suitable for nomination include, but are not limited to:

- Individual or group contributions to environmental awareness, preservation and reclamation through education, leadership and/or involvement.
- Processes, products or systems that constitute an advance in environmental preservation over existing systems, such as emission reduction or other waste reduction systems.
- Projects that exemplify the principles of sustainable development with associated regard for the environment.
- Projects that result in the preservation or restoration of the natural environment.

The award may be made:

- To an individual, for his/her contribution towards the goals of the award. The individual must be a member of APEGGA.
- To a group of individuals, for their contribution towards the goals of the award. All individuals in the group must be members of APEGGA. However, groups lead by an APEGGA member/s may also be considered for the award.
- To a project, in recognition of its contribution to the goals of the award. The project must have been completed or have reached a significant degree of completion in the award year, and the project leader or company responsible for the project must be a member of APEGGA. Projects within Alberta will be given priority, but projects located outside of Alberta may be considered, in which case they must include a significant professional contribution from APEGGA members.

### DEFINITIONS

Definitions as per APEGGA Environmental Guideline:

**Environment:** Means the components of the earth and includes:

- air, land and water
- all layers of the atmosphere
- all organic and inorganic matter and living organisms, and
- the interacting natural systems that include components referred to in subclauses (i) and (ii).

**Sustainable development:** means development that meets the needs of the present without compromising the ability of future generations to meet their own needs through the application of integrated planning and the combination of environmental and economic decision-making processes.

### EVALUATION CONSIDERATIONS

#### Description of Project or Personal Contribution:

A description of the Project or Personal Contribution and associated environmental issues, for example: How long has the project or personal contribution been in process? What is the end point of the project, or the impact to

date of the personal contribution? What is the total impact to the environment? Will the project or personal contribution have a lasting effect? Please present enough detail on projects or personal contributions to allow a full evaluation. Maximum 20 points.

**Environmental Impact:** benefits to the preservation of the environment. Maximum 20 points.

**Application of Professional Skills:** application of engineering, geological or geophysical principles to the highest standards and results towards the goals of the award. Maximum 20 points.

**Project Location:** highest marks for an Alberta location or for another Canadian location, lower marks for export locations. Maximum 10 points.

The project will be evaluated out of a maximum of 70 points and each area of evaluation should be commented on separately.

### THEME

The leading theme is excellence in the application of professional skills by Albertans in the preservation of the environment.

An additional theme in the first years of the award is the recognition of achievement in support of APEGGA's Statement on Climate Change, approved by the APEGGA Council at its April 22, 1999 meeting.

APEGGA's professional membership represents a broad spectrum of individual positions on

climate change. APEGGA remains neutral with respect to specific climate change targets. APEGGA does not favour any specific sector's position.

However, in response to the climate change issue, APEGGA does support:

- the efficient and responsible use of our energy and natural resources
- continuing dialogue to facilitate understanding among APEGGA members and with the broader public
- ongoing awareness of, and due regard for, linkages between climate change and other environmental concerns. APEGGA's Environmental Guideline provides further guidance to its members
- continuing research to develop cost-effective and socially acceptable technologies to address climate change concerns
- key business and individual consumer actions to improve energy efficiency as identified in Alberta's Strategy for Action on Climate Change.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee(s)/project and its achievements which, in the opinion of the nominator, qualify the nominee(s)/project for the award, together with such supporting evidence as they may wish the Honours and Awards Committee members to consider.

## THE ALBERTA INGENUITY FUND RESEARCH EXCELLENCE AWARD

"The award recognizes professionals in academia or industry who have conducted innovative engineering, geology or geophysics research, which has been successfully applied to improve our economic and social well being."

The award is named after the Alberta Heritage Foundation for Science and Engineering Research (AHFSER), also known as The Alberta Ingenuity Fund.

The award may be made to an individual or a research team.

### EVALUATION CONSIDERATIONS

- Recipient must be an APEGGA member.
- Has conducted the research in Alberta, though it may have been field tested or applied elsewhere.
- Scope and/or complexity of the research problem.
- Degree of innovation.
- Rigour and originality of methodology.
- Evidence of the quality of research through:
  - Recognition by peers
  - Patents.
- Dissemination of the research through one of the following:
  - Presentation to professional and technical societies
  - Published papers and reports in academic or trade journals.
- Evidence of the impact of the research as measured by at least one of the following:
  - Use of research results by the engineering, geology or geophysics professions and/or the public
  - Further research, development and application by others
  - Transfer of the research into commercial products or services.

- Further research, development and application by others
- Transfer of the research into commercial products or services.

- The research may have been applied by the nominee(s) or by other professionals. However, nominees who have directed the process from problem to idea to hypothesis to research to application and evaluation will have an advantage in the judging process.

### THEME

The intent of this award is to recognize and increase awareness of the excellent applied research in Alberta, and through that, encourage collaboration among professionals in academia and industry.

### DEFINITION

For the purpose of this award, engineering, geological and geophysical research shall be defined as: The application of innovative methods and approaches to solve an identified problem which results in novel products, processes, and/or services provided by the engineering, geology or geophysics professions.

### REQUIREMENTS

Complete the nomination form in full and attach documents describing the nominee and his/her achievements which, in the opinion of the nominator, qualify the nominee for the award,

together with such supporting evidence as the nominator may wish the Honours and Awards Committee and AHFSER to consider.