



CANADIAN DAM ASSOCIATION
ASSOCIATION CANADIENNE DES BARRAGES

CDA GARY SALMON MEMORIAL SCHOLARSHIP CDA STUDENT AWARD OF MERIT SCHOLARSHIP

CDA offers two scholarships annually to full-time postgraduate students attending a Canadian university or college whose program of study focuses on dam safety and/or the management of dams. Topics of project studies and/or research are encouraged from all industries where dam safety and the management of dams are a critical infrastructure for the respective industry and the society in general. Relevant industries include, but are not limited to: water resources, hydropower and thermal power generation, flood protection and control, mining (including tailings storage facilities and mining dams in general), agriculture, tourism and recreation, navigation, water supply and irrigation, to name a few. The two CDA Scholarships are the following:

- The CDA Gary Salmon Memorial Scholarship, valued at \$5,000 is awarded to the selected applicant registered as a full-time student in a Ph.D program at a Canadian university, and
- The CDA Student Award of Merit Scholarship, valued at \$2,500 is awarded to the selected applicant registered as a full-time student in a Master degree (M.Eng, M.Sc, M.A.Sc) at a Canadian university, in either project or thesis option.

Candidates are evaluated on the relevance of their research work and the potential for the advancement of knowledge, leadership and community involvement, and academic excellence.

In addition to the cash value of the scholarships, the recipients of both the CDA Gary Salmon Memorial Scholarship and the CDA Student Award of Merit Scholarship will each receive the following:

1. Complimentary student registration to the 2021 CDA Annual Conference (to be held virtually).
2. Travel expenses from anywhere in Canada to attend the Conference (in accordance with the CDA Travel and Expense policy, where applicable, and considering travel restrictions in place for the year 2021).
3. Up to three nights' paid accommodation at the conference hotel (when in-person Conferences are being held).
4. Opportunity to present their research in an on-line CDA webinar in 2022.

The CDA Conference provides a national forum for engineers, geoscientists, regulators, dam owners and operators, and other stakeholders, and regularly draws well over 300 delegates each year, with increased audience in a virtual Conference setting. The conference includes technical sessions and numerous social events, including the Awards Gala. **Scholarship winners are recognized at the Awards Gala and in a video-montage to be posted on the CDA website.** Conference sessions are offered in both French and English. For more information about the CDA Conference, please visit the CDA website.

Applicants must submit to the Chair of the CDA Honours and Awards Committee a completed application form along with the following supporting documents:

1. A 500-word synopsis of the applicant's Ph.D or Master degree research project, or Master degree project, including the expected outcome and how it

- will improve the current state-of-practice in regards to dam safety and/or the management of dams.
2. A 500-word summary of the applicant's community involvement, leadership roles, volunteer activities and/or participation/contribution to the arts, sport or cultural community.
 3. Official transcripts for undergraduate and graduate courses. Arrangements may be made to have the transcripts forwarded directly by the institutions to the Chair of the CDA Honours and Awards Committee (awards@cda.ca) or by mail to the CDA office.
 4. Electronic copies (PDF format) of any technical papers prepared on and related to the topic of the project or research in progress, that have been either published in a Conference or a Journal, or accepted technical paper (confirmation of acceptance letter or e-mail required for papers yet to be published). Copies of technical papers are suggested but are not mandatory.
 5. A letter from the program chairman/director that:
 - a. endorses the application/applicant;
 - b. confirms the applicant's start date in the program and anticipated completion date; and
 - c. other relevant information related to the applicant's progress towards project completion and/or thesis defense if applicable.
 6. Two letters of reference that address the applicant's academic performance and their contribution to the community (one letter on academic achievements and one on the community contributions are preferred).

Scans of any documents related to your application must be legible and clear. Documents that are not easily legible may be disregarded and/or may negatively impact the evaluation of your application.

Application form and supporting documents should be submitted electronically to awards@cda.ca or can be mailed to:

**Canadian Dam Association
Attention: Chair, CDA Honours and Awards Committee
2800 14th Avenue, Suite 210
Markham, Ontario, Canada
L3R 0E4**

Deadline for Applications

Completed applications should be received by the CDA office no later than **Friday, June 11, 2021**. Applicants will be notified of the decision of the CDA Honours and Awards Committee by July 15, 2021.

Past CDA Scholarship Winners

Please visit our website www.cda.ca under the Awards section for information on the awards, application forms, and a view of past award recipients.



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APPLICATION FORM 2021

CDA GARY SALMON MEMORIAL SCHOLARSHIP CDA STUDENT AWARD OF MERIT SCHOLARSHIP

Name			
Address			
Address 2			
City	Province	Postal Code	
Email	Telephone		
University	Department		
Research Title			
Are you currently pursuing a Masters or a Ph.D.?	<input type="checkbox"/> Master	<input type="checkbox"/> Ph.D	

REFERENCES

Applicants should arrange for two letters of reference to be sent directly to the Chair of the CDA Honours and Awards Committee by email to awards@cda.ca. Reference letters should outline the applicant's qualifications as a researcher and his/ her involvement with the community.

Reference #1	Reference #2
Name	Name
Title	Title
Organization	Organization
Address 1	Address 1
Address 2	Address 2
City	City
Province	Province
Postal Code	Postal Code
Telephone	Telephone
E-mail	E-mail

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CDA Gary Salmon Memorial Scholarship



(1932 - 2007)

The **CDA Gary Salmon Memorial Scholarship** is dedicated to the memory of Gary Salmon, P. Eng, who passed away on October 17, 2007.

Gary devoted his professional life to promoting and improving the practice of dam safety. Amongst his many professional achievements, Gary was one of the founders of the Canadian Dam Safety Association (now the Canadian Dam Association - CDA) and served as President of the Association from 1993 to 1995. He was one of the principal authors of the *Canadian Dam Safety Guidelines*, and he represented Canada on the Dam Safety Committee of the International Commission on Large Dams (ICOLD).

Gary pioneered risk-based management of dams. He first presented risk criteria as a tool for dam safety evaluation in 1993 at the ICOLD dam safety workshop in Grindlewald, Switzerland. Much of the progression of the risk-based evaluation of dam safety from a concept to usable tool for decision-making is attributed to Gary. His legacy in this field will endure for decades to come.

In 1965, after working eight years in California, Gary joined BC Hydro. During his 32-year tenure with BC Hydro, he held several positions with progressively increasing responsibilities. He was in charge of the structural design of the Revelstoke Project, Manager of the Development Department, and a member of the Canadian Joint Venture studying the feasibility of the Three Gorges Project on the Yangtze River in China as Manager of Design. Nine years before his retirement, he held the position of Chief Engineer and Director of Dam Safety, where he was responsible for the development and implementation of the dam safety program that established BC Hydro as one of the world's leading centres for dam safety.

After his retirement from BC Hydro in 1998, he worked as an international consultant and as Technology Coordinator for the CEATI Dam Safety Interest Group (DSIG), a user-driven research group. Under his leadership, the group grew from six national organizations to 24 organizations from around the globe. Guided by Gary's vision, practical approach, and willingness to consider new ideas, the DSIG pursued a number of practical R&D projects that yielded significant contributions to dam safety process, evaluation, and techniques, including the publication of *Risk and Uncertainty in Dam Safety*, a handbook for practical decision-making based on risk assessment.

Gary was the recipient of the CDSA "Inge Anderson Award" for his contribution to the advancement of Dam Safety, the "Meritorious Achievement Award" from the Association of Professional Engineers and Geoscientists of British Columbia, and was made a Fellow of the Engineering Institute of Canada.