



CANADIAN DAM ASSOCIATION  
ASSOCIATION CANADIENNE DES BARRAGES

## CDA GARY SALMON MEMORIAL SCHOLARSHIP CDA RESEARCH 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. The Gary Salmon Memorial Scholarship, valued at \$5,000 is awarded to the top applicant and the CDA Research Scholarship of \$2,500 is awarded to the runner-up. 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 Research Scholarship will each receive the following:

1. Complimentary student registration to the 2019 CDA Conference to be held in Calgary from October 6 to 10 (approximate value \$500).
2. Travel expenses from anywhere in Canada to Calgary to attend the 2019 Conference (in accordance with the CDA Travel and Expense policy).
3. Up to three nights' paid accommodation at the conference hotel.

The CDA Conference provides a national forum for engineers, geoscientists, regulators, dam owners and operators, and other stakeholders, and regularly draws more than 375 delegates. The conference includes technical sessions and numerous social events, including the Awards Gala. **Scholarship winners are recognized at the Awards Gala.** 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 research 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](mailto:awards@cda.ca)) or by mail to the CDA office.
4. 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.
5. Two letters of references that address the applicant's academic performance and their contribution to the community.

**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](mailto:awards@cda.ca) or can be mailed to:

**Canadian Dam Association**  
**Attention: Chair, CDA Honours and Awards Committee**  
**3-1750 The Queensway, Suite 1111**  
**Toronto, Ontario, Canada**  
**M9C 5H5**

### **Deadline for Applications**

Completed applications should be received by the CDA office no later than **Wednesday, May 15, 2019**. Applicants will be notified of the decision of the CDA Honours and Awards Committee by June 28, 2019.

### **CDA 2018 Scholarship Winners**



#### **2018 CDA Gary Salmon Memorial Scholarship**

Recipient Haley Schafer, University of Alberta, with CDA President Bob Patrick, P.Eng.



#### **2018 CDA Research Scholarship**

Recipient Fatoumata Maiga, University of Ottawa, with CDA President Bob Patrick, P.Eng.



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## APPLICATION FORM 2019

### CDA GARY SALMON MEMORIAL SCHOLARSHIP CDA RESEARCH 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"/> Masters <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](mailto:awards@cda.ca). Reference letters should outline the applicant's qualifications as a researcher and his/ 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		Postal	
Telephone		Telephone	
Email		Email	

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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 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.