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CANADIAN DAM ASSOCIATION

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# Bulletin

CDA  ACB

Vol. 24 No. 1

# CDA AWARDS

DAM SAFETY GUIDELINES  
2012 CONFERENCE



**Canadian Dam Association  
Association canadienne  
des barrages**  
www.cda.ca

The Canadian Dam Association is comprised of individuals and companies interested in the safe and effective operation of dams. Representatives of dam owners and consultants have unique access to the latest concepts in dams; supplier members have access to this multi-billion dollar industrial sector. For membership, visit www.cda.ca. Aussi disponible en français.

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# Bulletin

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Cover:

Scenery along the South Saskatchewan River, site of the CDA 2012 Conference.

# 2012 CDA Award Winners

## Student Achievement Award

**Mahmoud Al-Riffai**

Mahmoud Al-Riffai has a B. Sc. Degree in Mechanical Engineering from Carleton University. After several years of job related activities in the mechanical engineering field he has shown a lot of zeal and enthusiasm in learning civil engineering; where he is currently a Ph. D. Candidate at University of Ottawa. Mahmoud's research project is investigating the effects of the geotechnical properties of embankment dam on the progression and size of dam breach caused by over topping. So far he published nine technical papers, and for the high quality of his research, Mahmoud has been selected to serve as a member of ASCE/EWRI Task Committee on Dam/Levee Breaching.

## Published Paper Award of Excellence

**Jason Bond, Don Kim and John Fletcher**

The 2012 Published Paper Award was awarded to Jason Bond, Don Kim and John Fletcher for their paper "A Study of the Use of GPS Sensors for Structural Monitoring of the Mactaquac Dam" Presented at 2011 CDA annual Conference. The paper discusses the application and adaptation of global positioning principals and equipment to measure movements in dams. The paper also discusses the drawbacks and challenges that need to be addressed to improve current state-of-practice.

## Peter Halliday Award for Service

**Bob Barnes**

Bob Barnes has been an active and willing participant in the affairs of the dam community for decades. He has been a member of CANCEL, participating in the early discussions that lead to the creation of the Canadian Dam Safety Association (CDSA), where he served as the Atlantic Region representative. Bob and Peter Halliday were members of the task group responsible for the Niagara Declaration that resulted in the merger of CDSA and CANCEL into the current CDA. In the CDA, Bob served as Newfoundland Director and later as CDA president. He served as chair and member of the organizing committees for the two CDA conferences held in Newfoundland

## Garth Haack

Before joining the CDA Board of Directors as Saskatchewan Director from 2000 to 2004, Garth volunteered to serve as a member of the organizing Committee and Treasurer of the 2000 CDA annual conference. After completing two terms as Director for Saskatchewan, he served for three years as a member of the "Internal Financial Review Panel," a group appointed by the membership to review the CDA books. Garth was the Chair of the Organizing Committee for two CDA Regional Workshops held in Regina, in 2003 and 2008. He also was a member of the Organizing Committee for 2012 CDA Conference.



Corporate Award –  
Ontario Ministry of Natural Resources



Corporate Award –  
Saskatchewan Watershed Authority



Peter Halliday Award for Service –  
Greg Snyder on behalf of Bob Barnes



## CDA-Gary Salmon Memorial Scholarship

### Jennifer Nafziger

Jennifer obtained her B.Sc., with honours, in Civil Engineering from University of Waterloo in 2007. She was the recipient of eleven scholarship and awards during her tenure at University of Waterloo. In 2008 she enrolled in the M.Sc. program at the University of Alberta. There, she emerged as one of the top scholars in the graduate program; as a result, she was transferred to the Ph. D. Program in 2009. In addition to Jennifer's academic excellence she was involved with Circumpolar Student's Association and Engineer's Without Borders. She has been a representative on Canada Council for UNESCO's youth advisory group. Jennifer's research project addresses the characteristics of surges from ice jams which has the potential to make a pivotal contribution to better understanding of ice regime in rivers and its impact on safety of dams and dam operations.

## Corporate Award

### Saskatchewan Watershed Authority

The Saskatchewan Watershed Authority has the responsibility for managing the provincial water resources and related infrastructure. In the area of dam safety and infrastructure management, the Watershed Authority has provided leadership by adopting and implementing a Dam Safety Management system for the Authority-owned infrastructure, taking into account the delicate balance of competing interests for water resources in Saskatchewan. The award to the Saskatchewan Watershed Authority is recognition for their demonstrated commitment to improving dam safety and water management.

## Ontario Ministry of Natural Resources

The Ontario Ministry of Natural Resources has been an active participant and leader in the dam safety community in Canada. As a dam owner and a regulator, the Ontario Ministry of Natural Resources has worked diligently to modernize the dam safety program in Ontario. To this end, OMNR has developed a set of Technical Bulletins and Best Practice documents that will help dam owners and practitioners implement the requirements for dam safety and public safety around dams.

The CDA corporate award was given to the Ministry of Natural Resources for its leadership role and demonstrated commitment to improve and modernize dam safety in Canada.

## Inge Anderson Award of Merit

### Tony Bennett

Tony Bennett has a strong commitment and profound passion for advancing dam safety in Canada and around the world. He has worked tirelessly to achieve this goal, in his roles as Director of Dam Safety and Emergency Preparedness for Ontario Power Generation, as a former President of the Canadian Dam Association, and now as chair of the Public Safety Committee of ICOLD, the International Commission on Large Dams. Tony has been a key leader in the CDA Dam Safety Committee – participating in stewardship of the Dam Safety Guidelines, and especially in spearheading development of Guidelines for Public Safety around Dams. Tony has helped bring a new level of cooperation among Ontario dam owners, openly sharing OPG's experiences, particularly related to public safety, with owners of small dams. ■



Service Recognition Award – Wayne Carlson & Ellis O'Neil



Peter Halliday Award for Service – Garth Haack