



## Call for NAPEG Award Nominations

Do you have a project that should be recognized for its excellence? Do you know an engineer or geoscientist who deserves recognition? Is there a significant project in Nunavut or Northwest Territories that should be recognized and awarded?

If so, please consider submitting a nomination for a NAPEG Award. You can find a nomination form on the NAPEG Website or you could call the NAPEG Office and we will send you a copy of the nomination form.

To see who has been recognized in the past, you can review the 2019 Annual Report. It shows both the 2019 recipients and past award recipients.

We need your help to make the 2020 Awards Banquet particularly outstanding. The 2020 Annual General Meeting (AGM) will be the 40<sup>th</sup> AGM for NAPEG. Established in 1979, NAPEG held its first AGM in 1980.

Plan to celebrate with us at The Explorer Hotel in Yellowknife from March 11-13, 2020. The AGM will be on Wednesday, March 11, 2020 at 5:00 pm.

Do you have suggestions for the celebration?

Do you have suggestions for speakers for the Annual Professional Development Symposium? Is there a topic that would be of interest to you? You can find a form for Expression of Interest on the NAPEG website.

The Professional Development Symposium takes place over two days and generally includes at least one local tour. There is no increase in the fee to attend in 2020 and you'll be earning Professional Development Hours to help with your mandatory reporting. We want to make the events both relevant and enjoyable.

Immediately following the NAPEG AGM, there is an AGM for the NAPEG Education Foundation. To read more about the Foundation, you can review the 2019 Annual Report for the Foundation. It includes scholarships that are available and past recipients of the scholarships.

Please consider celebrating the 40th year of NAPEG by attending the 2020 events. We hope to see you there and to receive your suggestions soon.

The NAPEG Education Foundation is a registered charity. Annually the Foundation provides graduate and undergraduate scholarships. In addition, the Foundation manages the Finnigan Northern Award for Research Fund, Geoscience Student Awards, and Science Teacher Awards. You can help support students by considering a donation to the Foundation. More information at [www.napeg.nt.ca](http://www.napeg.nt.ca). We welcome suggestions and ideas for additional programs/projects through the Foundation.

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### Events:

- Council Meeting - October 11, 2019
- Yukon Geoscience Forum - November 16-19, 2019
- Yellowknife Geoscience Forum - November 19-21, 2019
- GNWT Project Management Conference - November 26-27, 2019
- Northern Territories Water and Waste Water Conference and Workshops - Iqaluit - November 25-29, 2019
- NAPEG Ethics Workshop - Iqaluit - November 28, 2019
- NAPEG Planning - November 30, 2019
- 2020 NAPEG AGM - March 11, 2020
- Awards Banquet - March 12, 2020
- CPD Symposium - March 12-13, 2020

## Celebrate the Future - Remember the Past

In 1969, a group of engineers and geologists formed the Society of Professional Engineers of the Northwest Territories. This eventually led to the acclaiming of legislation by the Territorial Legislature in 1979 establishing the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories (NAPEGG).

On April 1, 1999, the new territory of Nunavut was created by Federal legislation entitled The Nunavut Act. On the same date, NAPEGG was granted the authority to regulate the professions of engineering, geology and geophysics in Nunavut.

On May 1, 2008, new Acts came into force in both the Northwest Territories and Nunavut. The new name of the Association became the Northwest Territories Association of Professional Engineers and Geoscientists. NAPEG administers both Acts and uses the business name: Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG).

The first Annual General Meeting was held in 1980. In 2020, NAPEG will be celebrating Forty (40) Years since NAPEG, as a regulator, was established. Considering the vision of the early engineers, geologists, and geophysicists who recognized the importance of protecting the interests of the Northern public, we recognize Fifty (50) Years for those members of the Society and salute those visionaries from the past.

### NAPEG Founding Members

001 Anderson-Thomson, John, P.Eng	035 Boon, Robert H., P.Eng.
002 Spence, Robert W., P.Eng.	036 Herbert, John T., P.Eng.
003 Knutsen, William G., P.Eng	037 Weir, Brian E., P.Geol.
004 Bentley, James R., P.Eng.	038 Perry, Alan M., P.Eng.
005 Watson, R. Brian F., P. Eng.	040 Padgham, William A., P.Eng.
006 Nickerson, David, P.Eng.	041 Hansen, Frank N., P.Eng.
007 Brown, Melville L., P.Eng	042 Irwin, W. Wayne, P.Eng.
009 Bengts, Erland, P.Eng.	043 Simek, Stefan, P.Eng.
010 Bertrand, Henry L., P.Eng.	044 Cluff, G. Robert, P.Geol.
011 Ersoy, Turgot, P.Eng.	045 West, James M., P.Geol.
013 Rollefson, Martin O., P.Eng.	046 Eley, Frederick J., P.Eng.
015 Drinnan, Ian M., P.Eng.	047 Whittal, David D. R., P.Eng.
016 Naylor, Douglas R., P.Eng.	048 Waleski, Donald T., P.Eng.
017 Christensen, Vernon H., P.Eng.	049 Connell, Lawrence J., P.Eng.
018 Van Hees, Bernard C., P.Eng.	050 Ferguson, Dana F., P.Eng.
020 Case, William A., P.Eng.	051 Myers, Delbert E., P.Geol.
023 James, Frederick W., P.Eng.	052 Pawson, Harold E., P.Eng.
024 Emery, David J., P.Geol.	054 Redshaw, Arthur G., P.Eng.
026 Covello, Louis, P.Geol.	055 Sims, Michael J., P.Eng.
029 Holmes, Robert M., P.Eng.	056 Moody, Paul, P.Eng.
031 Scott, Robert L. B., P.Eng.	057 Gibney, William H. R., P.Eng.
032 Gowans, James K., P.Eng.	058 Tam, Y. Vincent, P.Eng.
033 Barber, Gordon N., P.Eng.	059 Bryant, Wayne J., P.Eng
034 Pawliuk, Kenneth M., P.Eng.	

Celebrate with NAPEG in March 2020. Plan to attend the 2020 NAPEG Annual General Meeting, Awards Banquet, and Professional Development Symposium, The Explorer Hotel, Yellowknife, NT

**March 11 - 13, 2020**

## Finnigan Award for Northern Research

Applications will be accepted until October 15 for the Yukon and NWT conferences and until February 22 for the Nunavut Symposium.

### Objectives

NAPEG encourages the achievement of excellence in the engineering and geosciences professions through the promotion of advanced studies and research programs. By providing financial assistance to researchers working in the northern territories, the Association seeks to encourage young geoscientists to communicate effectively to their peers and the public, an important skill in the development of a professional practitioner.

### Eligibility

To be eligible, the applicant must be enrolled in a Canadian university and registered in a Geology or Earth Sciences program that includes a thesis with a subject relevant to the territory in which the results would be presented. The applicant must also have submitted an abstract (or similar document) for a talk or poster presentation at the conference indicated on their application form. The applicant must attend this conference and give the presentation in order to receive scholarship funding.

I am honored to receive the Finnigan Award for Northern Research. I would like to offer my gratitude to NAPEG Education Foundation for providing support to young scientists working in the north. Through my graduate work so far, I have had the opportunity to work on-the-land with northern communities and have been unimaginably inspired, not only by the vastness of the north, but more particularly by its' people and cultures. As early career researchers, this award impels us to continue the inquisitive legacy of Dr. Craig Finnigan in our investigation of the complex and intertwined natural systems of the north. This award also provides the opportunity to share the results of my research, examining the implications of climate change on metal(loid) mobility in lakes, with my fellow researchers and northern partner communities in pursuit of a shared goal of sustainable northern resource development. The Yellowknife Geoscience Forum is an engaging and educational event and I am excited for the opportunity to participate. Thank You.

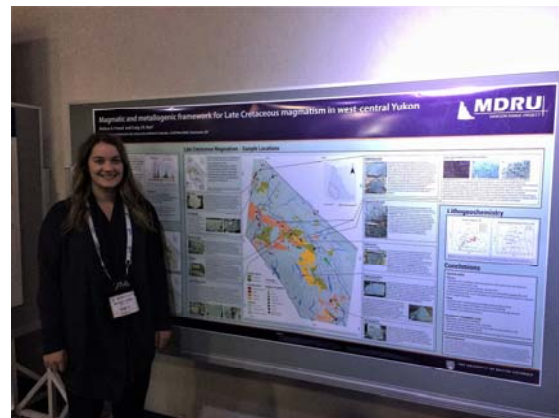


Clare Miller, Ph.D. Candidate,  
Queen's University



Poster Title: "Magmatic and metallogenic framework for Late Cretaceous magmatism in west-central Yukon"

I would like to thank NAPEG for selecting me as the recipient of the 2018 Finnigan Northern Award for Yukon. I am honoured to be granted this award and I am excited to carry on Dr. Finnigan's legacy of geoscientific field work and exploration in the North. It is a great privilege to share with others my contributions to the understanding of metallogeny in the Dawson Range.



Melissa Friend, MSc Candidate  
University of British Columbia

Applications are being accepted now for the 2019 Finnigan Award for Northern Research. Melissa Friend was Yukon recipient in 2018 and Clare Miller was Northwest Territories recipient. Check the NAPEG website for details on applying.

## Registration Changes - August and September 2019

Note: Registration is not complete until fees are paid in full.

### Members-in-Training

John R. Carnegie, EIT  
Logan G. Balkwill, EIT

### Members

Erik T. Bellefleur, P.Eng.  
Bidya N. Bhattarai, P.Eng.  
L. Michele Guy, P.Eng.  
Steffen Karl, P.Eng.  
Amir Khatibi Kheibari, P.Eng.

### Life Member (Deceased)

Dennis E. Malloy, P.Eng. (Retired)

### Licenseses

Keith L. Ainsley, P.Eng.  
Francois Allard, P.Eng.  
David R.C. Amorim, P.Eng.  
Abdolreza Bahrami, P.Eng.  
Raymond T. Bailey, P.Eng.  
Jarrod A. Boscow, P.Eng.  
Raynald R. Corneau, P.Eng.  
Patrick Coutu, P.Eng.  
Andrej M. Culen, P.Eng.  
Huw E. Davis, P.Eng.  
Matthew P. Delorme, P.Eng.  
Neil T. Dobie, P.Eng.  
Stephan Ferrero, P.Eng.  
Laurent E. Fouloneau, P.Eng.  
Douglas M. Fox, P.Eng.  
Sirous Ghelichkhani, P.Eng.  
Walid W.G. Hamed, P.Eng.  
I. Ronald (Ron) A. Harrington, P.Eng.  
Peter R. Hatcher, P.Eng.  
James (Jim) D. Kempson, P.Eng.  
Shervin Khalili Ghomi, P.Eng.  
Yalda Khorasani, P.Eng.  
Brett J. Knox, P.Eng.  
Leah S. Kushner, P.Eng.  
Pierre Laliberte, P.Eng.  
Bumsand (Eric) Lee, P.Eng.  
Azhar Mahmood, P.Eng.  
Paul-Alexandre Malenfant-Beaulieu, P.Eng.  
James (Jim) R. McCann, P.Eng.  
Sergei Mihhailenko, P.Eng.  
Philippe Mireault Germain, P.Eng.  
David R. Moore, P.Eng.  
Sabinus I. Okafor, P.Eng.  
Vimal N. Patel, P.Eng.  
Kiran Chandra Prakash, P.Eng.  
Michael R. Rakowski, P.Eng.  
Brent I. Robitaille, P.Eng.  
Christopher T. Roney, P.Eng.  
Santokh S. Sahota, P.Eng.

Ramie M.A. Said, P.Eng.  
Hicham (Sam) Salem, P.Eng.  
Mathieu Savard, P.Eng.  
Danilo (Dan) M. Seraspe, P.Eng.  
Sarah M. Simons, P.Eng.  
Steve J. Skira, P.Eng.  
Jennifer M. Stirling, P.Eng.  
Wojciech (Jack) Szuflicki, P.Eng.  
Alireza Tannazi, P.Eng.  
Robert A. TerBerg, P.Eng.  
Bret B. Timmis, P.Eng.  
Derek A. Twerdochlib, P.Eng.  
Simon Valois, P.Eng.  
Joshua A. Wires-Munro, P.Eng.  
Byron P.L. Wong, P.Eng.  
Muhammad Yahya, P.Eng.  
Bao (Robert) G. Zhang, P.Eng.  
Nan Nan (Nancy) Zhang, P.Eng.

### Permit to Practice

1885219 Ontario Inc. o/a ASPA Engineering & Welding Solutions Inc.  
AATech Scientific Inc.  
Building Systems Engineering Ltd.  
Capilano Maritime Design Ltd.  
Concept Naval Experts Maritimes Inc.  
GeniMac Inc.  
Hobbit Environmental Consulting Corporation  
iSPAN Systems LP  
High Engineering Ltd.  
Jewel Bailey Consultants Limited  
Kenney Engineering Inc.  
Lycopodium Minerals Canada Ltd.  
Mammoet Canada Eastern Ltd.  
Marex Canada Limited  
Mihko Engineering Ltd. o/a Glazing Engineering  
Nowak Engineering Inc.  
Precision Engineering Inc.  
Primerio Group Americas Inc.  
SCT inc.  
Simson-Maxwell Ltd. o/a Simson Maxwell  
Umbra Engineering Ltd.

### Permit to Practice Name Change

Worley Canada ULC (formerly Jacobs Canada ULC)

### **Note:**

**NAPEG Non-Practicing Category means the professionals are not currently practicing in the NT or NU. The registrants may be actively practicing in other jurisdictions.**

2020 Renewal Opens November 1, 2019

## Discipline Matters in the News

### Summary of Adjudication Tribunal Decision - PEG-NL

In the matter of a Complaint against Yi Ping (Peter) Liu, Association of Professional Engineers and Geoscientists of Newfoundland and Labrador Registrant #07423 (the Respondent) of Ontario.

The Adjudication Tribunal accepted an Agreed Statement of Facts in which the Respondent admitted he had engaged in conduct deserving of sanction under the Engineers and Geoscientists Act, 2008 (the "Act") sections 20(c) (i) professional misconduct; 20(c)(ii) professional incompetence and/or 20(c)(iii) conduct unbecoming a professional member or permit holder and conduct contrary to section 8(2) of the Engineering and Geoscience Regulations, 2011 as well as sections 1.2(b), 2.1(d) and 2.3 of the Code of Ethics Bylaw approved under section 9 of the Act.

The Adjudication Tribunal determined that the Respondent engaged in conduct deserving of sanction, which conduct included applying his seal or allowing his seal to be applied to the structural calculations and design documents of the Draft Tube Elbow Wood Formworks for the Lower Churchill Project at Muskrat Falls, Labrador; a design which contained material errors in design criteria and design calculations and ultimately contributed to failure of the structure.

The Adjudication Tribunal heard the Parties' submissions on Sanction and pursuant to Section 29(3) of the Act in a Decision dated March 12, 2019, ordered:

1. A reprimand be placed on the Respondent's file for a period of two (2) years;

2. The Respondent shall be unable to practice engineering or be relicensed to practice engineering in Newfoundland and Labrador until such time as:
  - a. The Respondent completes an education course as approved by PEGNL in respect to the practice standards for use of Engineer's professional stamp and responsibilities at his own expense and provides evidence of satisfactory completion to PEGNL;
  - b. The Respondent signs an undertaking not to practice structural engineering without direct supervision of a structural engineer who is a member in responsible charge for a PEGNL permit to practice, which supervision terms and conditions must be approved by PEGNL; and
  - c. The Respondent passes a maximum of three (3) Engineers Canada Confirmatory Examinations in Engineering (exact courses and number to be determined by PEGNL), in consideration of his area of practice;

3. The Respondent pay part of the costs of the Hearing in the amount of Five Thousand Dollars (\$5,000.00) and shall have twelve (12) months from the date of the Hearing to pay in full;
4. The Respondent shall return his PEGNL stamp to the Registrar within 30 days of the date of this decision; and
5. The decision of the Tribunal shall be published in accordance with the Act as well as online on PEGNL's website and PEGNL shall inform all other engineering regulatory bodies in Canada of this decision.

The conduct deserving of sanction occurred during the period 2014 to 2016. The Complainant was Geoff Emberley, P. Eng., PEGNL CEO and Registrar.

#### For Information: NAPEG's definition of 'unprofessional conduct': Section 28. (2) of the Act:

For the purposes of this Part, "unprofessional conduct" includes conduct of a practitioner that

- a. Is detrimental to the best interest of the public;
- b. Contravenes a code of ethics established or adopted under the bylaws;
- c. Is detrimental to the standing the professional; or
- d. Displays a lack of knowledge, skill or judgment in professional practice or in the carrying out of a duty or obligation undertaken in professional practice.



## Discipline Matters (continued)

### Fort Saskatchewan Condominium Evacuation - APEGA

**Edmonton** – On August 2, the Fort Saskatchewan residents of one building of the Riverview Estates condominiums were evacuated due to an engineering assessment that the building is structurally unsafe.

Upon learning about the evacuation, APEGA contacted the City of Fort Saskatchewan's safety codes officer and its director of protective services. APEGA confirmed with the City that the structural engineering firm and professional engineer on record for the structural design of the building were Jacobsen Hage Engineering and Sven Hage. In addition, APEGA provided the City with the current status of the firm and engineer.

In December 2004, one year after the condominiums were constructed, APEGA cancelled the engineering permit for Jacobsen Hage Engineering. This means the company was no longer allowed to do any engineering work in Alberta. In February 2005, Sven Hage resigned his APEGA licence to practise, meaning he was no longer allowed to do any engineering work in Alberta. These were both due to unrelated disciplinary findings of unskilled practice and unprofessional conduct involving structural engineering.

Due to provisions in the *Engineering and Geoscience Professions Act*, APEGA can take no further action against Hage. The current legislation limits investigating complaints to two years following the cancellation or resignation of a person's licence. As part of APEGA's legislative review, we are working with the Government of Alberta on more than 160 APEGA-recommended changes to modernize and strengthen our legislation, including the limitation on investigations.

### NAPEG Act - Extraterritorial Discipline

49. (3) Council may appoint a Board of Inquiry comprised of three Council members where proceedings have been initiated in respect of the bijurisdictional member by an extraterritorial disciplinary body.

49. (4) The Board of Inquiry may make an order against a bijurisdictional member if (a) an extraterritorial disciplinary body, in disciplinary proceedings against the bijurisdictional member, makes (i) an order for the suspension of the bijurisdictional member's registration in the extraterritorial professional association, or (ii) an order having the effect of terminating the bijurisdictional member's registration in the extraterritorial professional association; or (b) the bijurisdictional member resigns as a member of the equivalent extraterritorial professional association with the result that disciplinary proceedings initiated by an extraterritorial disciplinary body do not continue against the bijurisdictional member.

49. (5) An order made against a bijurisdictional member by the Board of Inquiry under subsection (4) shall be either (a) an order for the suspension of the bijurisdictional member's registration in the Association for a period co-extensive with the period of suspension ordered by the extraterritorial disciplinary body; or (b) an order having the effect of terminating the bijurisdictional member's registration in the Association.

49. (6) The Board of Inquiry shall not make any order under subsection (4) until the bijurisdictional member concerned has been given (a) notice of the intention of the Board of Inquiry to consider making an order under that subsection;

"bijurisdictional member" means a practitioner who is also a member of an equivalent extraterritorial professional association or who ceased to be a member of that association by reason of an order referred to in paragraph (4)(a).

"extraterritorial disciplinary body", in relation to an equivalent extraterritorial professional association, means the governing body of that association or any person or group of persons having powers to impose disciplinary sanctions on the members of that association by way of suspension or termination of registration in that association.

"equivalent extraterritorial professional association" means an association or body in another Canadian jurisdiction having requirements for registration and membership of engineers or geoscientists that Council considers to be equivalent to those of the Association.

DESK OF EXECUTIVE DIRECTOR /  
REGISTRAR

NAPEG  
201, 4817 - 49 Street  
Yellowknife, NT  
X1A 3S7

Phone: 867-920-4055  
Fax: 867-873-4058  
E-mail: [registrar@napeg.nt.ca](mailto:registrar@napeg.nt.ca)

[www.napeg.nt.ca](http://www.napeg.nt.ca)



**NAPEG Council**

President: *Karen Costello, P.Geo., FGC*  
1<sup>st</sup> Vice President: *Justin Hazenberg, P.Eng.*  
2<sup>nd</sup> Vice President: *Mark Cronk, P.Eng., FEC*  
Past President: *Sudhir Jha, P.Eng., FEC*  
Councillors: *Katrina Nokleby, P.Eng.*  
*Yuri Kinakin, P.Geo.*  
*Melanie Williams, P.Eng.*  
*Elaine Gillespie, P.Eng.*  
*Linda Ham, P.Geo.*  
*Philip Lewis, P.Eng.*  
Appointed Public Members: *Chris Hunt*  
*James Arreak*

**National Directors**

Engineers Canada Director: *Terry Brookes, P.Eng., FEC*  
Geoscientists Canada Director: *Yuri Kinakin, P.Geo.*

**NAPEG Staff**

Executive Director/Registrar: *Linda Golding, FEC/FGC (Hon.)*  
Deputy Registrar: *Mimi Kennedy-Chassie*  
Finance Officer: *Bora Sung*  
Registration Officer: *Ashley Chassie*  
Professional Practice: *Peter Bengts, P.Eng.*

**NAPEG Mission**

*In the public interest, NAPEG regulates and supports the professional practice of engineering and geoscience  
in the Northwest Territories and Nunavut.*

**New Waste Water Standard and an Updated Permafrost  
Guide**

Northern communities now have access to two new standardization resources that provide important strategies to integrate climate resiliency into building and infrastructure design, guides and codes. Specifically, CSA Group recently published:

A new standard – [Planning, Design, Operation, and Maintenance of Municipal Wastewater Treatment in Northern Communities using Lagoon and Wetland Systems \(CSA W203:19\) \(link is external\)](#);

and

An updated guidance document – [PLUS 4011: Technical Guide: Infrastructure in Permafrost: A guideline for climate change adaptation \(link is external\)](#).