

G. J. JACKSON FELLOWSHIP

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The G. J. Jackson Fellowship is a prestigious annual award currently valued at \$25,000 over twelve months. The Fellowship was established in 1987 and is presented annually by the Canadian Institute of Steel Construction (CISC) in memory of the late Geoffrey J. Jackson. Its purpose is to develop exceptional researchers, educators and practitioners specializing in the design, fabrication and use of steel structures.

GEOFFREY J. JACKSON

Geoffrey J. Jackson was born in Stamford, Lincolnshire, England, February 25, 1929. After receiving a Diploma in Civil Engineering in 1954, he emigrated to Canada. Mr. Jackson was, for many years, a leader in the Canadian structural steel fabrication industry. His vision and dedication was the driving force in establishing the Steel Structures Education Foundation, the precursor to the CISC Education and Research Council. Mr. Jackson served as both the Chairman, and a member of the CISC Board of Directors. He was also a long-time member of the Canadian Steel Construction Council Board. He served on the SSEF Board until his death in August 1986.

ELIGIBILITY

The Fellowship is available to a Canadian citizen or a permanent resident of Canada who will be admitted in the following academic year to a first to fourth year of full-time graduate studies in structural engineering, with major emphasis on the study of steel structures. Candidates for either a Master's Degree or a Doctoral Degree are eligible to apply. A candidate transferring from a Masters to a PHD program shall be eligible for an additional four years from the date of transfer. A candidate may be awarded the Fellowship only once. Applications must be received by the Canadian Institute of Steel Construction no later than January 25, 2019. Failure to provide all of the requested information in the application will result in disqualification.

For full award and application details visit the CISC website (<http://cisc-icca.ca/education-research/scholarships>)

By submitting your application to CISC's Education & Research programs, you consent to having your name, your company name and your photograph used in various CISC Marketing & Communications printed materials and web sites. You specifically consent to the digital compositing of the pictures, including without restriction any changes or alterations as to color, size, shape, perspective, context, foreground or background. You hereby waive any right that you may have to inspect or approve the finished photograph and the text that may be used in connection with your name, your company name and your photograph or the use to which your name, your company name and your photograph may be applied.

2018 RECIPIENT

Dimple Ji is a Master. Sc. candidate at the University of Alberta under the supervision of Professor Robert Driver, a Fellowship recipient himself in 1993..

Dimple Ji's research examines lateral-torsional buckling capacity of welded wide flange girders through large-scale physical testing. The main objective of the research is to evaluate and improve the existing design standards. While the relative constancy of the current S16 equation may speak to its satisfactory performance over time, it also indicates a need to reassess the basis on which the equation was developed and seek room for improvement. The use of a unified equation has been questioned in existing literature and experimental testing may be the missing component to accept the need for its redevelopment.

Upon completion, the research will provide a basis of comparison to the existing database of tests, give indication of the accurateness of the existing numerical models for predicting lateral torsional buckling capacity in welded sections as well as provide an improved standard that gives practicing engineers a better toolset to design.

RECENT WINNERS OF THE G. J. JACKSON FELLOWSHIP

- 2017 Frédéric Brunet
École Polytechnique Montréal
- 2016 Taylor Steele
McMaster University
- 2015 Thierry Béland
École Polytechnique de Montréal
- 2014 François Leprince
Université Laval
- 2013 Cameron Ritchie
University of Toronto
- 2012 Rafiqul Haque
University of British Columbia
- 2011 Morteza Dehghani
École Polytechnique de Montréal

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*Image: Salim El Filali & Amirhesam Monshi
Recipients of the 2018 CISC Architectural Design Competition
Award of Excellence*

