

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 28, 2022. 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 (<https://www.cisc-icca.ca/scholarships/jackson-fellowship>)

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.

2021 RECIPIENT

Michelle Chien is a PhD candidate at the University of Waterloo under the supervision of professor Scott Walbridge.

Michelle's research focuses on assessing brittle fracture risk in Canadian steel bridges. Currently Canada's brittle fracture provisions are highly simplified compared to the corresponding European design provisions. For her thesis project, Michelle is assessing the reliability level associated with the Canadian CSA S6 brittle fracture design provisions using a probabilistic fracture mechanics framework, to identify areas of possible refinement. This work aims to improve the Canadian provisions from a safety and economic perspective, and to propose new provisions for situations not currently addressed, such as pedestrian bridges, structures made from very thick plate, and cold worked or impact-damaged structures.

RECENT WINNERS OF THE G. J. JACKSON FELLOWSHIP

- 2020 Pierre Thibault
Université Laval
- 2019 Pedram Mortazavi
University of Toronto
- 2018 Dimple Ji
University of Alberta
- 2017 Frédéric Brunet
École Polytechnique Montréal
- 2016 Taylor Steele
McMaster University

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Image: James Kwong & Phil Carr-Harris
Recipient of the 2021 CISC Architectural Design Competition
Award of Excellence

