

2024 G. J. JACKSON FELLOWSHIP

THE G. J. JACKSON FELLOWSHIP

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 March 8, 2024. 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.

2023 RECIPIENT

Benjamin Newcomb is a PhD Candidate at Dalhousie University conducting research under the supervision of Professor Kyle Tousignant.

Benjamin's research aims to develop an internationally accepted "fit-for-purpose" design approach for welds in circular hollow section (CHS) connections whereby the welds can be designed to resist the actual force(s) in the branch member (rather than to develop the branch yield strength) and often results in reduced material, labour, and detailing demands for steel structures. To that end, he has designed and carried-out over 24 large-scale experiments on CHS members and connections at Dalhousie and is developing finite element simulation techniques to predict weld fracture in these connections. Benjamin's research has already led to new formulae in CSA W59 and the results obtained from his research are expected to further improve the design process for welds in CHS connections in both Canada and the US.

RECENT WINNERS OF THE G. J. JACKSON FELLOWSHIP

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| 2022 | Bashar Hariri
École Polytechnique de Montréal |
| 2021 | Michelle Chien
University of Waterloo |
| 2020 | Pierre Thibault
Université Laval |
| 2019 | Pedram Mortazavi
University of Toronto |
| 2018 | Dimple Ji
University of Alberta |
| 2017 | Frédéric Brunet
École Polytechnique Montréal |

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