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CANADIAN INSTITUTE OF STEEL CONSTRUCTION
INSTITUT CANADIEN DE LA CONSTRUCTION EN ACIER

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 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)

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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

APPLY BY EMAIL TO:

education@cisc-icca.ca
Canadian Institute of Steel Construction (CISC)
445 Apple Creek Blvd., Suite 102
Markham, Ontario L3R 9X7
Telephone: 647-264-1024

www.cisc-icca.ca

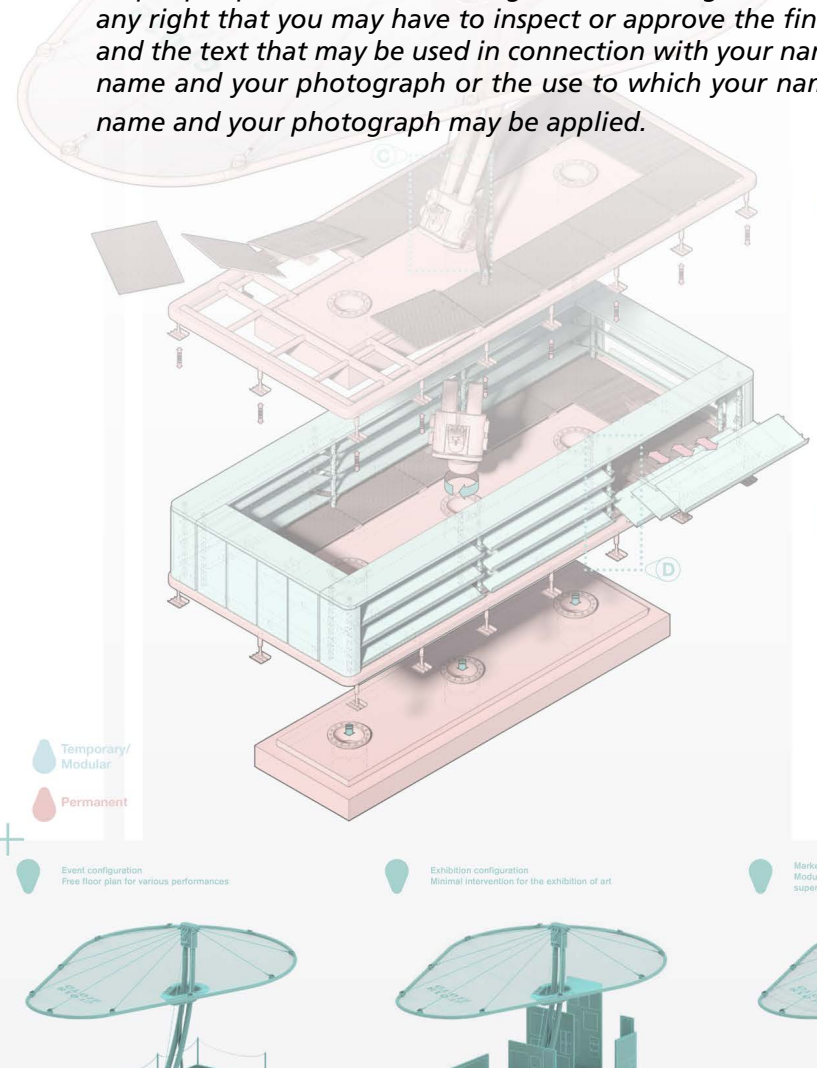




Image: James Kwong & Phil Carr-Harris
Recipient of the 2021 CISC Architectural Design Competition
Award of Excellence