

CARLETON UNIVERSITY
Department of Mechanical and Aerospace Engineering
PhD Comprehensive Exam and Thesis Proposal Defense

CANDIDATE: Arnav Rana

DATE: Tuesday, April 18, 2023, 11:00 a.m. Room 4124 Mackenzie Building

THESIS TITLE: **Studies of Anisotropic Ductile Fracture Behaviour in Pipeline Steels**

EXAMINATION BOARD:

Member of Department	O. Petel, Dept. of Mechanical & Aerospace Engineering
Member of Department	I. Garces, Dept. of Mechanical & Aerospace Engineering
Thesis Supervisor	X. Wang, Dept. of Mechanical & Aerospace Engineering
Thesis Supervisor	R. Miller, Dept. of Mechanical & Aerospace Engineering
Chair of Defence	R. Liu, Dept. of Mechanical & Aerospace Engineering
Chair of Department	R. Miller, Chair, Dept. of Mechanical & Aerospace Engineering (<i>Ex-officio</i>)
Dean of Faculty	L. Kostiuk, Dean, Faculty of Engineering (<i>Ex-officio</i>)
Dean, Faculty of Graduate & Postdoctoral Affairs	P. Smith, Dean, Faculty of Graduate Studies and Research (<i>Ex-officio</i>)

Jason Etele Associate Chair, Graduate
Department of Mechanical & Aerospace Engineering

