

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

**CANDIDATE:** Ganesh Komaragiri

**DATE:** Wednesday, April 29, 2026, 10:30 a.m. Room 3324, Mackenzie Building

**THESIS TITLE:** **Metal 3D Printing in Space Through Freeze Casting.**

**EXAMINATION BOARD:**

**Member of Department** I. Garces, Dept. of Mechanical & Aerospace Engineering

**Member of Department** A.Kabir, Dept. of Mechanical & Aerospace Engineering

**Chair of Defence** J. Sasiadek, Dept. of Mechanical & Aerospace Engineering

**Thesis Supervisor** P. Waghmare, Dept. of Mechanical & Aerospace Engineering

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**Dean of Faculty** R. Miller, Dean, Faculty of Engineering (*Ex-officio*)

**Dean, Faculty of Graduate & Postdoctoral Affairs** D. Siddiqi, Vice Provost Graduate Studies and Research (*Ex-officio*)

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Abu Kabir Associate Chair, Graduate  
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