

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

**CANDIDATE:** Hayat El Fazani

**DATE:** Friday, September 1, 2017, 10:00 a.m. Room 3124, Mackenzie Building

**THESIS TITLE:** **Additive Manufacturing and Related Certification Challenges for Aerospace Applications**

**EXAMINATION BOARD:**

**Member of Department** R. Liu, Dept. of Mechanical & Aerospace Engineering

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

**Co-Supervisor**

**Thesis Supervisor** J. Laliberte, Dept. of Mechanical & Aerospace Engineering

**Chair of Department** R. Miller, Chair, Dept. of Mechanical & Aerospace Engineering (*Ex-officio*)

**Dean of Faculty** F. Afagh, Dean, Faculty of Engineering (*Ex-officio*)

**Dean, Faculty of Graduate & Postdoctoral Affairs** M. Neufang, Dean, Faculty of Graduate Studies and Research (*Ex-officio*)

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