

**CARLETON UNIVERSITY**

**Department of Mechanical and Aerospace Engineering**

**MASTER'S THESIS EXAMINATION**

**CANDIDATE:** *Jasvardan Sethi*

**DATE:** *Monday May 06, 2019, 10:00 4124 Mackenzie Building*

**THESIS TITLE:** *Application of an Optical Diagnostic (LII/ELS) to Measure Soot Formation Trends within Turbulent Buoyant Non-Premixed Flames*

**EXAMINATION BOARD:**

**Internal Examiner**                      Ata Khan, Civil & Environmental Engineering                      (In Person)

**Member of Department**                      Rishad Irani, Mechanical & Aerospace Engineering                      (In Person)

**Member of Joint Institute**                      William Hallett, Mechanical Engineering -                      (In Person)  
University of Ottawa

**Thesis Supervisor**                      Matthew Johnson, Mechanical & Aerospace                      (In Person)  
Engineering

**Thesis Co-Supervisor**                      Brian Crossland, Natural Resources Canada                      (In Person)

**Chair/Director of Department**                      Ronald Miller                      (Ex-officio)  
**or Designate**

**Dean, Faculty of Graduate and**                      Fred Afagh                      (Ex-officio)  
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**Department of Mechanical and Aerospace Engineering**