## **CARLETON UNIVERSITY**

## Department of Mechanical and Aerospace Engineering MASTER'S THESIS EXAMINATION

CANDIDATE: Mackenzie Reid

Bachelor of Engineering, Carleton University, 2015

DATE: Thursday April 27, 2023, 10:00 Video Conference

THESIS TITLE: Topology Optimization of Passively Cooled Heatsinks for High Efficiency Electronics

## **EXAMINATION BOARD:**

Member of Joint Institute Hai Jun Cho, Mechanical Engineering - University (Video Conference)

of Ottawa

Member of Department Fidel Khouli, Mechanical & Aerospace Engineering (Video Conference)

Thesis Supervisor Mostafa El Sayed, Mechanical & Aerospace (Video Conference)

Engineering

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Engineering

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or Designate

Ron Miller (Ex-officio)

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