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| CARLETON UNIVERSITY  Department of Mechanical and Aerospace Engineering  PhD Comprehensive Exam and Thesis Proposal Defense | | | |
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| ***CANDIDATE:*** | Matthew Gibson | | |
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| ***DATE:*** | Thursday May 27, 2021 **via** **Video Conference** | | |
| ***THESIS TITLE:*** | **A Holistic Model for the Combined Weld Arc-Pool System** | | |
| **EXAMINATION BOARD:** | | | |
| **Member of Joint Institute** | | C. Mavriplis, Dept. of Mechanical Engineering University of Ottawa | |
| **Member of Department** | | A. Artemev, Dept. of Mechanical & Aerospace Engineering | |
| **Member of Department** | | M. Yaras, Dept. of Mechanical & Aerospace Engineering | |
| **Thesis Supervisor** | | J. Goldak, Dept. of Mechanical & Aerospace Engineering | |
| **Chair of Department** | | R. Miller, Chair, Dept. of Mechanical & Aerospace Engineering (*Ex-officio)* | |
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| Joana Rocha Associate Chair, Graduate  Department of Mechanical & Aerospace Engineering | | |  |