



**Mr. Ezeiddin Madi**

**1. Background**

*B.Eng., College of Electronics Technology, Beni-Walid, 1984*

*M.Eng., University of Tripoli, 2004*

*PhD, Memorial University, May 2023*

**2. Thesis and Supervisors**

*An Integrated Method for Detection and Mitigation of Ice Accretion on Wind Turbine Blades*

• Supervisors: Dr. Weimin Huang, Dr. Kevin Pope

**3. Publication**

- 1) E. Madi, K. Pope, W. Huang, “A new method to limit thermal energy required to de-ice the leading edge of a cylindrical surface,” *Cold Reg. Sci. Technol.*, vol. 217, 104045, 2024.
- 2) E. Madi, K. Pope, W. Huang, “An integrated ice tracking and mitigation system on the stagnation line of a cylindrical surface based on thermal imaging and electro-thermal elements,” *Measurement*, vol. 199, 111539, 2022.
- 3) E. Madi, K. Pope, W. Huang, “Estimating the volume of water droplets on a cold surface with thermal image processing measurement,” *Measurement*, vol. 183, 109907, 2021.
- 4) E. Madi, K. Pope, W. Huang, T. Iqbal, “A review of integrating ice detection and mitigation for wind turbine blades,” *Renew. Sust. Energ. Rev.*, vol. 103, pp. 269-281, 2019.