Syed Zeeshan Rizvi

1. *Background*

B.Eng., National University of Sciences and Technology, Pakistan, 2019
M.Eng. Memorial University, October, 2024

2. ***Thesis and Supervisors***

Defect Detection on Wind Turbine Blades Using Computer Vision and Image Processing Techniques

• Supervisor: Dr. Weimin Huang

3. ***Publication***

1) S. Z. Rizvi, M. Jamil, and W. Huang, "Enhanced Defect Detection on Wind Turbine Blades Using Binary Segmentation Masks and YOLO," *Comput. Electr. Eng.*, vol. 120, part A, p. 109615, 2024.
2) S. Z. Rizvi, M. Jamil, and W. Huang, "'Pixel U-Net: An Improved Version of U-Net for Binary Segmentation of Wind Turbine Blades," *Signal Image Video P.*, vol. 18, no. 8-9, pp. 6299-6307, 2024.
3) S. Z. Rizvi, M. Jamil, and W. Huang, "Binary Segmentation Mask Guided Defect Detection on Wind Turbine Blades Using YOLOv7," *IEEE NECEC Conference*, St. John's, Canada, 2023.

4. ***Award***

• Second place winner of the Three Minute Thesis (3MT) Competition, Memorial University, 2023
• Best Presenter Award at the Aldrich Conference, Memorial University, 2023
• Fellow of School of Graduate Studies, Memorial University, 2024