

IMMEDIATE RELEASE (1)

VACANCIES FOR POSTGRADUATES & POSTDOCTORAL FELLOWS

in

**Engineering Mechanics and Design Laboratory
Department of Mechanical & Industrial Engineering
University of Toronto, Canada**

Immediate Vacancies

Immediate vacancies exist for high calibre postgraduates and postdoctoral fellows who have interests in one or more of the following: wing morphing and aerospace design, finite element modelling, aerodynamics, mechatronics, intelligent materials, optimization, testing and validation. Candidates should expect excellent facilities, good salaries and exceptional working conditions.

Morphing Wing Design

Control surfaces incorporated into the wing of an aircraft allow for changes in flight condition and mission. Unfortunately, these additional surfaces increase drag and thus compromise the effectiveness of the wing. Morphing the shape of the wing would allow the wing to be optimised for various flight phases and mission requirements. Morphing wing technology is considered to be a key technology especially in next generation unmanned aerial vehicle.

Objectives of Research

The overall objective of the proposed project is to conceive, design and fabricate, integrate and verify a wing that is able to morph its shape for different flight conditions. The wing will morph its aerofoil shape to change its aerodynamic characteristics for take off, landing, cruise and loiter conditions of flight.

Please forward your applications and any queries to:

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