

Postdoctoral Associate Position Opportunity

Department: Electrical & Computer Engineering

Supervisor: Kazimierz Adamiak

Description of Research and Position:

Area of Research: Corona and dielectric barrier discharge, non-thermal plasma, secondary electrohydrodynamic flow generated by gas discharges, control of flow boundary layer.

Position: Numerical simulation of pulse generated electrohydrodynamic flow in corona and dielectric barrier discharge, prediction of the gas flow in EHD boundary layer actuator.

Accountabilities of the Role:

- Developing of computer code, performing simulation, interpretation of results, writing report.
- Supervision of graduate students working on similar project.

Educational Requirements necessary for the Role:

- Ph.D. degree in electrical engineering, mechanical engineering, applied physics, or a related field.
- Relevant research background in at least one of the following research fields: non-thermal plasma, gas discharges, electrohydrodynamics, high voltage engineering.
- Experience in Finite Element Analysis, and COMSOL and ANSYS commercial software packages.

Number of Opportunities: 1

Proposed Start Date: 01/10/2023

Length of Appointment: 1 year

Please note that the length of appointment may change.

How to Apply:

Please send your CV, statement of research and three representative publications to Professor Kazimierz Adamiak (kaz@uwo.ca).

Posting Expires: 01.09. 2023

Note: Postings must be publicly available for a minimum of 10 days.