

Postdoctoral Associate Position Opportunity

Department: Mechanical & Materials Engineering

Supervisor: Dr. George Knopf

Description of Research and Position:

Area of Research: Printed carbon-based electronics (graphene-oxide and graphene derivative inks, laser assisted graphitization, sensors, wearable technologies)

Position: Multi-disciplinary work on printable circuits and sensors involving chemical synthesis, material characterization, engineering design, electronic circuit fabrication, and experimental validation tests.

Accountabilities of the Role:

- Work independently and safely in a variety of laboratory environments (e.g., chemical, mechanical, electronic, laser)
- Perform chemical synthesis, thin film fabrication, film characterization, and prototype development
- Contribute to the development of research manuscripts and grant proposals
- Supervise undergraduate and graduate students working on complementary projects

Educational Requirements necessary for the Role:

- Ph.D. degree in mechanical or materials engineering
- Demonstrated knowledge of fabrication and material techniques (e.g., Raman, TEM, SEM, mechanical strength testing)
- Knowledge of laser-material interaction and experience in laser surface treatment

Number of Opportunities: 1

Proposed Start Date: 10/01/2018

Length of Appointment: 12 months (potential for renewal after 1 year)

Please note that the length of appointment may change.

How to Apply:

To apply, please send your CV, statement of research, contact information for two references, and two representative publications to Professor George Knopf by email at gkknopf@uwo.ca

Posting Expires: September 10, 2018

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