Western Science

Postdoctoral Associate Position in Atomic and Molecular Layer Deposition (ALD/MLD)

The Ragogna Group in the Department of Chemistry at *The* University *of* Western Ontario is seeking a Postdoctoral Associate in atomic layer deposition (ALD). The position is directly connected to the 'Carbon to Metals Coatings Institute' (C2MCI; https://www.carbon-2-metal-institute.queensu.ca), where the successful candidate will experience a supportive, fast paced, and deeply collaborative research environment with other academic and industrial scientists who are connected to the Institute. The C2MCI includes a diverse team of Canadian and international scientists, clinicians, and engineers, working to develop fundamentally new approaches for the protection of metal surfaces at all length scales.

The PDA position will involve the application of novel precursors for atomic (molecular) layer deposition and semiconductor manufacturing. The successful candidate will have established expertise in ALD/MLD or atomic layer etching (ALE) and will be responsible for process development for, and characterization of thin films. The successful candidate will oversee the operation, maintenance, and training of junior researchers on our three ALD reactors. The PDA will be a regular user of both Surface Science Western (SSW - Canada's premier surface analytical facility) and the Western Advanced Materials Foundry, and will be a hands-on user of our XPS, ToF-SIMS, electron microscopy infrastructure and nanofabrication infrastructure.

Strong written and oral communication skills are essential, as the candidate will frequently interact with other team members, including industry partners, requiring the preparation and submission of paper manuscripts, research reports, and presentations in a timely fashion.

Application Details

The minimum requirements for this position are a PhD in chemistry, material science, surface science, engineering, or related discipline, with a strong record of patents/publications.

The compensation package includes $ 70,000 CAD per annum + benefits. (https://www.uwo.ca/hr/benefits/your_benefits/pda/index.html). The appointment will begin as soon as possible and will be made initially for one year. The appointment can be extended by one year through mutual agreement.

Interested candidates should send a cover letter, curriculum vitae, and contact information for two referees to Stephanie Attardi (sattard3@uwo.ca). Please include "PDA Position in ALD" in the subject line of your e-mail. Additional material and/or availability for an interview may be requested at a later stage. Applications will be considered until the position is filled and only shortlisted candidates will be contacted.

The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

For more information about London and available family support, please see: https://www.uwo.ca/about/visit/london.html and https://www.uwo.ca/campus_life/family/

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