



Postdoctoral fellow: Thin Films Physics & Optics

Posted: 1 August 2019

Post Expires: 31 August 2019

Type: Postdoc, researcher / scientist

Primary Purpose: The **Thin Films and Photonics Research group (GCMP)** at Université de Moncton is looking to recruit a postdoctoral fellow to focus on the design, fabrication and development of high performance interferential optical coatings for specific applications. The work will be carried out under the supervision of Professor Pandurang Ashrit in the well-equipped thin films and optics laboratory in the Department of Physics and Astronomy. Close collaboration with the other GCMP members is expected. This position is for a funded three-year project, starting with a renewable one-year contract subjected to satisfactory performance. The project will provide an excellent experience to obtain mentorship and skills in the area of industrially relevant area of applied optics. Future collaboration with relevant industries is a distinct possibility.

Nature of Work: The successful candidate will be working on the theoretical design as well as the fabrication of interferential optical coatings with specific performance. Although, PVD method would be the principal approach to fabrication of the coatings, eventual transfer to the chemical sol-gel method may be envisioned for the ultimate fabrication of these coatings on large surfaces.

Typical Duties/Accountabilities: The candidate is expected to perform at a high scientific level, work independently as well as in collaboration, help supervise undergraduate and graduate students, and assist with writing grants and publications. Industrial networking skill would be an added asset.

Education: The successful candidate should have a PhD in physics, optics or related disciplines.

Experience: Previous experience is expected in the areas of i) optical thin films and interferential coatings design, ii) ellipsometry, iii) fabrication of thin films by various methods and iv) optical characterization of thin films.

Inquiries regarding this position can be directed to
pandurang.ashrit@umoncton.ca.

Interested candidates must submit a CV and cover letter to:

Pandurang Ashrit
Dean, Faculty of Science
Université de Moncton
Moncton, NB E1A 3E9
Telephone: (506) 858-4511
Email: pandurang.ashrit@umoncton.ca