

Coating Technician

Photovoltaics has been identified as a key technology in transitioning away from fossil-combustion-based energy sources. Perovskite solar cells have received tremendous attention in recent years due to their unprecedented power conversion efficiency and ease of processing. Despite great success, some challenges remain to be addressed to facilitate the commercialization of this exciting technology. Amongst them, using low-cost deposition methods alongside confirmed long-term operational stability of devices is critical for market entry.

Solaires consists of a diverse team of scientists, engineers, business professionals, and clean energy enthusiasts united under one common goal: to develop the next generation of solar cells! Solaires is looking for a Coating Technician for its **Research & Development** team, reporting to the Research Manager.

Start Date: As soon as possible
Location: Victoria, BC, Canada

Responsibilities for this position include:

- Assist with building a state-of-the-art laboratory for scalable coating.
- Following Standard Operation Procedure (SOP) for solution-processed thin-film coating (slot-die and blade coating) for perovskite devices
- Create a design of experiments and perform and demonstrate iterative improvements to coating processes.
- Generate and maintain documentation such as SOP, SDS, and QC reports.
- Generate critical empirical data to support and validate results generated from different coating parameters and processes.
- Support project leads in their experimentation and product development activities to design suitable architectures for perovskite solar cells and modules.
- Capable of working with different coating and characterising equipment, troubleshooting, and identifying problems.
- Actively maintain and promote the highest Environmental, Health, and Safety (EHS) standards and contribute to EHS process improvements and their implementation

Experiences required:

- 1-2 years of experience in thin-film research and development
- Experience in slot die/blade-coating for thin-film fabrication is an asset
- Well-organized and highly skilled in reporting results with a good familiarity with spreadsheets or other data analysis software
- Presentations for high-level decision-making with an entrepreneurial mindset to be in a start-up environment, flexible to adapt to tasks based on demands within the company
- Proactive, excellent communication and interpersonal skills and the ability to work in a team
- High attention to detail

- Industry experienced preferred

Education:

- Recent Masters/Undergraduate degree in Electrical Engineering, Mechanical Engineering, Chemical Engineering, Materials Science, Physics, Organic Chemistry, or a related field.

Contact

Please apply with your resume and cover letter to pablo@solaires.net.

Applications will be accepted on a rolling basis until the position is filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

We believe that diversity, equity, and inclusion are the foundation for innovation and is an integral part of our business. We believe that success happens where new ideas can flourish – in an inclusive environment that is rich in diversity and a place where people from various backgrounds can work together. As an equal-opportunity employer, Solaires Entreprises Inc encourages applications from all qualified individuals, including candidates from underrepresented groups and communities. We invite all qualified candidates to apply online with their resumes and cover letter.