Xerox Research Centre of Canada *(Mississauga)*

Post-Doctoral Fellow: Electronic Materials and Printed Devices

As Canada's leading materials research centre, the Xerox Research Centre of Canada is home to a world-class team of scientists and engineers with broad expertise in materials chemistry, formulation design, prototyping, testing, and chemical process engineering. We deliver real-world solutions for Xerox and external customers in areas including electronic materials, sustainable materials, chemical processes, coatings, security and authentication, and novel technologies for the printing, electronics, and manufacturing industries.

Purpose:

Xerox Research Centre of Canada is seeking a Postdoctoral Fellow with experience in printed and/or flexible electronics and electronic materials to support our efforts in the design and integration of novel materials and devices. You will join a world class team of scientists and engineers and have access to state-of-the-art materials and infrastructure housed at XRCC and with our partners. Your challenge is to support materials and device innovation as part of our internal research program and in support of our customers.

Main Responsibilities:

- Responsible for the design, fabrication, and testing of printed/hybrid electronic devices
- Maintain an in-depth knowledge of the state-of-the-art in his/her area of domain expertise, and keep abreast of technology and market trends relevant to the project(s)
- Develop technical solutions to complex problems that require ingenuity, creativity and sound business judgement.
- Analyze and present findings at internal and external meetings, responsible for project documentation including, for example, internal reports, invention disclosures, journal articles etc.
- Translate new/existing scientific knowledge into enabling technologies; perform analytical, experimental and modeling work to solve business problems in a timely manner.

Education Requirements:

Education Level	**Additional Details** *(Discipline, other educational qualifications)*	
Ph.D.	Focus on printable or flexible electronics, experience in sensors, wearables, wireless power, thin-film batteries	
	Years of Experience:	0 – 5 years of PhD graduation

Skills, Knowledge and Abilities:

- A deep understanding of printed electronic materials and devices with expertise in printed and/or hybrid device design and fabrication (e.g. sensors, circuits, antenna, TFTs, OLEDs, etc.)
- Knowledgeable in circuit design including signal processing and application development
- Knowledgeable with respect to materials challenges and interactions within various electronic devices
- Experience with printing and coating technologies used for fabricating printed and/or flexible electronic devices
- Knowledgeable with respect to the latest technology trends and techniques in printed and flexible electronics (materials, device fabrication, characterization, etc.)
- Experience with CAD and CAM software considered an asset
- Demonstrated strategic thinking
- Strong organizational and project management skills
- Excellent verbal and written communication skills, demonstrated ability to work both independently and as part of a team
- Analytical and systematic in approaching scientific challenges
- Experience working in an ISO 9001:2015 environment an asset

Xerox is actively committed to building a diversified workforce. If you are looking for an opportunity that offers you a challenge in a research and development environment, please email your resume to: XRCC.Resumes@xerox.com