

## CURRICULUM VITAE FOR JILL MIWA

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### RESEARCH INTERESTS

I explore research themes in quantum materials using a combination of microscopic, spectroscopic and transport techniques both in lab and synchrotron radiation facilities. I specifically focus on  $\delta$ -layers, graphene, transition metal dichalcogenides and self-assembled molecular networks which have applications in technological and industrial sectors. Understanding the fundamental properties of these remarkable quantum materials is what I find most intriguing.

### SCIENTIFIC EXPERIENCE

2015 — current:

**Associate Professor:** Quantum materials for quantum computer technologies.

Department of Physics & Astronomy, Aarhus University, Aarhus, Denmark.

2012 – 2015:

**Postdoctoral Research Fellow:** Exploring the properties of two-dimensional materials.

Surface Dynamics Lab and SGM-3 Beamline, Department of Physics & Astronomy, Aarhus University, Aarhus, Denmark.

2008 – 2011

**Postdoctoral Research Fellow:** Fabrication and characterization of atomic scale devices

CQC2T, Department of Physics, University of New South Wales, Sydney, Australia.

2000

### EDUCATION

**Ph.D.** Department of Energy & Materials, University of Quebec, Canada, supervisor: F. Rosei

**M.Sc.** Department of Physics & Astronomy, Queen's University, Canada, supervisor: A. McLean

**B.Sc.** Department of Physics & Astronomy, University of British Columbia,

### PUBLICATION STATISTICS

My publication list contains 46 entries in international, peer-reviewed journals. My H-index is 19 (calculated by Google Scholar) and I have over 1350 citations. I have also written two book chapters on atomic scale devices and molecular self-assembly.