

Graduate Student Quantum Condensed Matter Physics

Description

Graduate students (MSc or PhD) in theoretical condensed matter physics. The research conducted by the Quantum Theory Group at UNBC focuses on the computational and theoretical aspects underpinning the non-equilibrium dynamics of quantum many-body systems. We are interested in understanding how the properties of advanced quantum materials can be tailored via time-dependent perturbations, and how to apply these to the development of novel quantum devices.

For more information on graduate programs at UNBC, please visit <https://www.unbc.ca/graduate-programs>

For more information on living in Northern British Columbia, visit <https://moveupprincegeorge.ca/>

Qualifications

Education: Completion of a BSc, BEng or MSc in physics or engineering physics at time of appointment.

Experience: Successful MSc candidates must have a good knowledge of quantum mechanics, statistical physics, and solid state physics. PhD candidates must additionally be familiar with quantum many-body physics. Previous research experience in theoretical condensed matter physics and programming skills are highly desirable.

Skills: Candidates should have effective interpersonal, communication and organizational skills; critical thinking and creative problem solving; an openness and willingness to learn; and a commitment to a respectful and diverse working environment.

Salary

The stipend for these positions will be commensurate with education and experience. Students will be expected to apply for internal and external Scholarships and/or Teaching Assistantships.

To Apply

Applicants from diverse backgrounds are encouraged to apply. Please email a cover letter stating your interest in the position, curriculum vitae, copy of unofficial transcripts and contact information for two references to:

Dr. Jean-Sébastien Bernier
Assistant Professor
Department of Physics
University of Northern British Columbia
3333 University Way, Prince George, BC, V2N 4Z9

Email: jean-sebastien.bernier@unbc.ca (with the subject title: Graduate Application)

Applications will be reviewed until the positions are filled.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Northern British Columbia is committed to employment equity and encourages applications from women, aboriginal peoples, persons with disabilities and members of visible minorities.

