

Nathan S. Babcock

Institute for Quantum Science & Technology
University of Calgary
2500 University Drive NW
Calgary, Alberta, T2N 1N4

Phone: 403.819.5430
Facsimile: 403.210.3908
Email: nbabcock@qis.ucalgary.ca
Web: phas.ucalgary.ca/pro les/486-146070

Education

- 2015 Ph. D. Physics 2015, University of Calgary
- 2005 B. Sc. Honours Physics (Dean's Honours List), University of Waterloo

Professional Experience

- 2006-2013 Graduate Research Assistant
Institute for Quantum Science & Technology, University of Calgary
Theoretical modeling for precision control and entanglement of trapped atoms.
Numerical simulation and analysis of biological electron transfer.
- 2006-2010 Laboratory Teaching Assistant
Department of Physics and Astronomy, University of Calgary
Electromagnetism and electronics laboratories for undergraduate engineers.
- 2005 Undergraduate Research Assistant
Institute for Quantum Computing, University of Waterloo
Algorithm design for a nuclear magnetic resonance quantum computer.
- 2004 Commercial Researcher
2D2C Inc., Waterloo, Ontario (www.safeplug.com)
Technology development for intelligent "in socket" electrical fault protection.
- 2001-2003 Undergraduate Research Assistant
Soft Condensed Matter Group, Physics Department, University of Waterloo

