

Curriculum Vitae: Andrew R. Frey

Contact Information

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Education and Employment

2023-pres. University of Winnipeg, Winnipeg, MB: **Professor of Physics**, particle physics, string theory, & their intersection with cosmology.

2022-pres. University of Winnipeg, Winnipeg, MB: **Adjunct Professor of Applied Computer Science**.

2016-2023 University of Winnipeg, Winnipeg, MB: **Associate Professor of Physics**.

2011-2016 University of Winnipeg, Winnipeg, MB: **Assistant Professor of Physics**.

2012-pres. Winnipeg Institute for Theoretical Physics, Winnipeg, MB: **Director, Past Director, Director-Elect** (member since 2011).

2012-pres. University of Manitoba, Winnipeg, MB: **Adjunct Professor**.

2012-pres. Perimeter Institute, Waterloo, ON: **Affiliate Member**.

2008-2011 McGill University, Montréal, QC: **Research associate and instructor**, particle physics, string theory, & their intersection with cosmology.

2006-2008 McGill University, Montréal, QC: **Postdoctoral fellow**, string theory & string cosmology.

2003-2006 California Institute of Technology, Pasadena, CA: **Postdoctoral fellow** and course instructor, string theory and string cosmology.

1998-2003 University of California, Santa Barbara, CA: **Ph.D. in physics**, string theory.
Advisor: J. Polchinski, “Warped strings: Self-dual flux and contemporary compactifications.”

1994-1998 Wake Forest University, Winston-Salem, NC: **B.S. in physics and mathematics**, *summa cum laude*, with honors in physics and mathematics.

Major Grants, Awards, and Honors

2012-2026 Natural Sciences and Engineering Research Council of Canada **Discovery Grant (Early Career Researcher Supplement 2012-15)**, UWinnipeg.

2014 Outstanding Referee Award, APS Journals.

2006-2008 Institute of Particle Physics/Perimeter Institute **Postdoctoral Fellowship**, McGill.

2003-2006 John A. McCone **Prize Postdoctoral Fellowship**, Caltech.

1998-2001 National Science Foundation **Graduate Research Fellowship**.

1998-2000 Broida Fellowship, UCSB.

1996 Mathematical Contest in Modeling, Outstanding designation.

- 1994-1998 Reynolds Scholarship, full merit scholarship, WFU.
 1994 International Physics Olympiad, Bronze medal (15th place).

Professional Service

- 2003-pres. **Peer referee** for *Canadian Journal of Physics*, *Classical and Quantum Gravity*, *EPL*, *European Physics Journal C*, *International Journal of Modern Physics A*, *Journal of High Energy Physics*, *Journal of Cosmology and Astroparticle Physics*, *Physical Review D*, *Physical Review Letters*, and *Physics Letters B*.
- 2008-pres. **External grant referee** for NSERC, US National Science Foundation, Netherlands Organisation for Scientific Research, CONICYT Chile, FWO Belgium, Scientific Foundation Ireland.
- 2015-2016 **Local organizing committee** for 2016 annual meeting of the Canadian Astronomical Society, hosted by UManitoba.
- 2013-2014 **Local organizing committee chair** for 15th Canadian Conference on General Relativity and Relativistic Astrophysics.
- 2009-2010 **Local organizing committee** for international conference *Strong and Electroweak Matter* hosted by McGill University.

Statistics

- 66** Seminars, colloquia, and conference presentations
 24 Public lectures and media appearances
 4 Conference proceedings and theses (some refereed)
49 Refereed journal articles (over **1800** citations, h-index **26**)
 3 PhD theses supervised
 5 MSc theses supervised
 12 Undergraduate honours theses supervised
 29 Summer research projects supervised