Sanjeev S. Seahra

Brief Curriculum Vitae

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Education

1998–2003 • **Doctor of Philosophy in Physics**
Location: Department of Physics, University of Waterloo

1994–1998 • **Bachelor of Science in Honours Physics**
Location: Department of Physics, University of Waterloo

Academic Positions and Affiliations

2012– • **Associate Professor of Applied Mathematics**
Location: University of New Brunswick, Fredericton, New Brunswick

2012–2016 • **Cross-appointed Professor of Physics**
Location: University of New Brunswick, Fredericton, New Brunswick

2010–2012 • **Assistant Professor of Applied Mathematics**
Location: University of New Brunswick, Fredericton, New Brunswick

2011– • **Member**
Location: Center for Research in Noncommutative Geometry and Topology, University of New Brunswick, Fredericton, New Brunswick

2011–2014 • **Affiliate Member**
Location: Perimeter Institute for Theoretical Physics, Waterloo, Canada

2007–2009 • **Postdoctoral Fellow**
Location: University of New Brunswick, Fredericton, New Brunswick

2005–2007 • **PPARC (STFC) Postdoctoral Fellow (UK)**
Location: Institute of Cosmology & Gravitation (ICG), University of Portsmouth, UK

2003–2005 • **NSERC Postdoctoral Fellow (Canada)**
Location: Institute of Cosmology & Gravitation (ICG), University of Portsmouth, UK

Selected Grants, Awards, Fellowships and Honours

2012 • **UNB Faculty Merit Award**
University of New Brunswick, Canada

2011-2014 • **NSERC Early Career Researcher Supplement**
National Science and Engineering Research Council, Canada

2007,09,11 • ***Classical and Quantum Gravity* Research Highlight of the Year** ($\times 3$)
- ◇ "Tomimatsu-Sato geometries, holography and quantum gravity"
- ◇ "Ricci flows, wormholes and critical phenomena"
- ◇ "A gravitational wave window on extra dimensions"

2010-2014 • **NSERC Discovery Grant**
National Science and Engineering Research Council, Canada

Selected Grants, Awards, Fellowships and Honours (continued)

2010 • **Start-up Grant**
University of New Brunswick, Canada

2005–2007 • **PPARC Postdoctoral Fellowship (Personal)**
Particle Physics & Astronomy Research Council (now known as the Science and Technology Facilities Council), United Kingdom

2004 • **W. B. Pearson Medal for Creative Doctoral Research**
Faculty of Science, University of Waterloo, Canada

2003–2005 • **Canada–UK Millennium Research Fellowship**
Royal Society of London, United Kingdom

2003–2005 • **NSERC Postdoctoral Fellowship**
National Science and Engineering Research Council, Canada

2003 • **Ontario Graduate Scholarship in Science and Technology**
Government of Ontario, Canada

1998–2002 • **NSERC Postgraduate Scholarships (A and B)**
National Science and Engineering Research Council, Canada

1998 • **Alumni Gold Medal**
Faculty of Science, University of Waterloo, Canada

1998 • **Second place in Lloyd G. Elliot Prize Exam**
Canadian Association of Physicists, Canada

1995–1997 • **Sir Isaac Newton Alumni Award**
Department of Physics, University of Waterloo, Canada

1994–1997 • **Canada Scholarship**
Government of Canada

1994 • **Sir Isaac Newton Entrance Scholarship**
Department of Physics, University of Waterloo, Canada

1994 • **Governor General's Bronze Medal**
Government of Canada

Popular Science and Outreach Activities

2010-11 • Contributor to the "Real life science" segment of the Canadian Broadcasting Corporation's *Information Morning Fredericton* (radio/TV)
- ◇ Tractor beams (March 8, 2011)
- ◇ Antimatter (November 23, 2010)
- ◇ Dark energy (November 2, 2010)

2010-12 • "Universe math: big bangs and black holes" talk given to grade 7–9 students attending the New Brunswick Math Competition
- ◇ May 11, 2012
- ◇ April 29, 2011
- ◇ April 30, 2010

2009 • "Mathematical modeling" talk given to a grade 12 calculus class at Fredericton High School (May 14, 2009)

2009 • "Geometry of the universe" talk given to students in grades 7–9 attending the Tenth Annual UNB–CMS Math Camp (May 10, 2009)

2005 • Interviewed for the SETI Institute's weekly radio programme: *Are we alone?* (May 8, 2005)

2005 • Results from the paper "Detecting extra dimensions with gravity wave spectroscopy" [Seahra, Clarkson & Maartens, *Phys. Rev. Lett.* **94**, 121302 (2005)] were featured in the May 2005 issue of *Physics World* magazine (pg. 10)