

Jakob Lindblad Blaavand

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Education

- 2001 – 2004 High School, Århus Statsgymnasium, Denmark
- 2005 – 2008 B.Sc. Mathematics, Aarhus University
- 2008 – 2011 Honours M.Sc. Mathematics, Aarhus University
- 2008 – 2011 Ph.D. studies, CTQM/QGM, Aarhus University
- 2010 Visiting Research Scholar at University of California, Berkeley, visiting Prof. Nicolai Reshetikhin
- 2011 – present D.Phil studies mathematics, Balliol College, Oxford University

Publications

1. With Jørgen Ellegaard Andersen, *Asymptotics of Toeplitz operators and applications in TQFT*, Travaux Mathematique, University of Luxembourg in the volume *19 Lectures of the GEOQUANT School, 2011*, p. 167–201
2. *RNA er jo bare matematik!*, *Aktuel Naturvidenskab*, nr. 6 2011

Teaching Experience

- 2011 – 2012 Teaching Assistant in Geometry of Surfaces and Algebraic Curves at University of Oxford.
- July 2010 *Knot theory and the Jones-polynomial* Lecture series given at UNF Matematik Camp 2010, July 2010, University of Copenhagen.
- 2007 – 2011 Various tutoring positions at Aarhus University
- 2007 – 2011 "Besøgsservice" at the Department of Mathematical Sciences, Aarhus University. Service provided for High School classes, where I give lectures on a variety of subjects, from continued fractions, cryptology and complex numbers to knot theory and the mathematics behind Google.

Prizes, Scholarships

- Travel Grant for Mathematicians* 3 year study grant, 2011–2014
- Young Scientists Competition* 1.000 kr., 2004

Miscellaneous

- Computer Skills Advanced knowlegde of HTML, CSS, ASP, PHP, Windows, Mac, Microsoft Office. Familiarity with Mathematica, Maple, Adobe CS Suite, \LaTeX .
- Languages Native language: Danish.
Fluent in English: 104 points in TOEFL IBT Test
Understands German, Norwegian and Swedish. Knowlegde of French.

General interests

Mathematics and new science in general. I'm also very interested in how lay people experience science and mathematics, and how to communicate science and mathematics to a broad audience.

Sports. In my spare time I'm doing a lot of running, and hiking. In the summer of 2006 a friend and I walked 550 km in the north of Spain at the Camino, an old ancient pilgrimage route to Santiago de Compostella.

Since 1990, member of the Danish Scout and Guide Association.

Talks

- 2012 Junior Geometry and Analysis Seminar, University of Oxford. *Geometric Quantization – An introduction*, Jan 26.
- 2011 QGM Friday Lunch Seminar, Aarhus University, Denmark. *Turaev–Viro Invariants of 3-manifolds*, Jan 28.
 GEOMAPS Retreat, Aarhus Denmark. *Berezin–Toeplitz Deformation Quantization of Abelian Varieties*, Jun 7.
 FFS, Aarhus University, Denmark. *What the hell is a quantization?*, Sep 9
 QGM Geek Club, Aarhus Denmark. *Knot theory and the Jones-polynomial*, Sep 17.
 Invariant Society (UGMS), University of Oxford. *Knot theory and the Jones-polynomial*, Nov. 28
- 2010 UNF Math Camp, Denmark. Lecture course titled *Knot theory and the Jones-polynomial*, Jul 12-16
 University of California, Berkeley, GRASP Seminar *3-manifold invariants derived from link invariants*, Nov. 5.

References

- Supervisor in Oxford Nigel Hitchin, hitchin@maths.ox.ac.uk. Savilian Professor of Geometry, University of Oxford.
- Supervisor in Aarhus Jørgen Ellegaard Andersen, andersen@imf.au.dk. Professor and Director of CTQM/QGM, Aarhus University.
- Supervisor in Berkeley Nicolai Reshetikhin, reshetik@math.berkeley.edu. Professor at University of California Berkeley.

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<http://lindbladblaavand.dk>