

# CURRICULUM VITAE - Rogier Bos

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## Personal

Full name: Rogier David Bos.  
Date and place of birth: August 7, 1978, Ter Aar, The Netherlands.  
Email: rogier\_bos [at] hotmail.com.

## Education

- 2010 M. Sc. Mathematics Education at University of Utrecht,  
2007 Ph. D. degree in Mathematics at the Radboud University Nijmegen,  
thesis: *Groupoids in geometric quantization*,  
advisor: Prof. dr. N. P. Landsman.  
Manuscript committee:  
Prof. dr. Gert Heckman,  
Prof. dr. Ieke Moerdijk (Universiteit Utrecht),  
Prof. dr. Jean Renault (Université d'Orléans),  
Prof. dr. Alan Weinstein (University of California),  
Prof. dr. Ping Xu (Penn State University).
- 2001 M. Sc. (Doctoraal) in Mathematics at the University of Utrecht,  
thesis: *Operads in deformation quantization*,  
advisor: Prof. dr. I. Moerdijk;  
minors in philosophy and physics.
- 1997 Propedeuse in Mathematics at the University of Utrecht.  
1997 Propedeuse in Physics at the University of Utrecht.  
1996 Gymnasium at Erasmus College Zoetermeer.

## General Working experience

- 2010-now Co-author dutch mathematics teaching series "Wageningse Methode".  
2010-now Lecturer at Master Mathematics Education at Hogeschool Utrecht.  
2009-now Mathematics and general science teacher at the Christelijk Gymnasium Utrecht.  
2007-2008 Post-doctoral researcher at the Center for Mathematical Analysis, Geometry, and Dynamical Systems, Instituto Superior Técnico in Lisbon (Portugal).  
2002-2007 Ph.D.-student mathematical physics at the University of Amsterdam (Radboud University Nijmegen from 2004); funded by FOM; promotor: Prof. dr. N. P. Landsman.  
2002 march-august Mathematics teacher at the highschool *Minkema College* in Woerden.

1999-2001                    Teacher of mathematics exercise classes at the University of Utrecht.

## University Teaching Experience

2007                    Mathematics deficiency repair course for highschool students (in preparation of studying mathematics or physics), Radboud University Nijmegen.  
2006                    Exercise course in complex analysis for physicists, Radboud University Nijmegen.  
2005                    Exercise course in differential equations, Radboud University Nijmegen.  
2004                    Exercise course in differential equations, Radboud University Nijmegen.  
2003                    Exercise course in differential topology, University of Amsterdam.  
2003                    Exercise course in complex analysis, University of Amsterdam.  
2002                    Exercise course “Symmetry”, University of Amsterdam.  
1999-2001            Several exercise courses in calculus and linear algebra, University of Utrecht.

## Interests

Argentinian tango dancing, jazz and classical guitar playing, composing music, squash.

## Languages

Dutch (native), english (fluent), french (intermediate), german (intermediate), portuguese (beginner).

## Publications and preprints

2008    Rogier Bos, *Noncommutative analytical assembly maps*, preprint.  
2008    Rogier Bos, *Foliated symplectic couplings and Hamiltonian Lie algebroid actions*, unpublished note, available at [www.math.ru.nl/~rdbos](http://www.math.ru.nl/~rdbos).  
2007    Rogier Bos, *Lecture notes on cohomology of groupoids*, lecture notes, available at [www.math.ru.nl/~rdbos](http://www.math.ru.nl/~rdbos).  
2007    Rogier Bos, *Groupoids in geometric quantization*, PhD-thesis, available at [www.math.ru.nl/~rdbos](http://www.math.ru.nl/~rdbos).  
2006    Rogier Bos, *Geometric quantization of Hamiltonian actions of Lie algebroids and Lie groupoids*, Int. J. Geom. Methods Mod. Phys. 4, nr. 3, 2007.

- 2006 Rogier Bos, *Geometric quantization of Hamiltonian actions of Lie algebroids*, announcement of results, Proceedings of the XV International Workshop on Geometry and Physics, D. Iglesias Ponte, e.a. (editors), Real Sociedad Matematica Española, vol. 11.
- 2006 Rogier Bos, *Continuous representations of groupoids*, preprint.

## Talks

- 2009 An introduction to new approaches in quantization theory, SNN seminar, Radboud University Nijmegen.
- 2008 Momentum maps for symplectic fibrations, Radboud University Nijmegen.
- 2008 Momentum maps for symplectic fibrations, Geometry seminar, IST, Lisbon.
- 2007 4 talks on groupoid cohomology, Groupoid Seminar, IST, Lisbon.
- 2007 Groupoids in geometric quantization, Workshop on groupoids in operator algebras and noncommutative geometry, Institut Henri Poincaré, Paris.
- 2006 A noncommutative Baum-Connes analytical assembly map, Radboud University Nijmegen.
- 2006 2 talks on Geometric quantization of Hamiltonian Lie algebroid actions, Radboud University Nijmegen.
- 2006 Met wiskunde in de knoop (*popular*), Radboud University Nijmegen.
- 2005 Geometric quantization and Lie algebroids, University of Utrecht.
- 2005 Continuous representations of groupoids, Radboud University Nijmegen.
- 2004 2 talks on K-theory of proper groupoids, University of Amsterdam.
- 2003 3 talks on Spin structures and K-theory, Seminar on noncommutative geometry, University of Amsterdam.

## Participation in seminars, conferences and workshops

- 2010 Conferentie Nederlandse Vereniging voor Wiskundeleraren, Nieuwegein.
- 2010 De Nederlandse Wiskunde Dagen, Noordwijkerhout.
- 2008 Conference on moment maps, CRM, Barcelona.
- 2008 GAP IV, CRM, Barcelona.
- 2007 Groupoid Seminar, IST, Lisbon.
- 2007 XVI International Workshop on Geometry and Physics, Lisbon.
- 2007 Workshop on groupoids in operator algebras and noncommutative geometry, Institut Henri Poincaré, Paris.
- 2006 XV International Workshop on Geometry and Physics, Puerto de la Cruz, Tenerife, Canary Islands.
- 2005-2006 Seminar on operads, groupoids and quantization, University of Utrecht and University of Amsterdam.

- 2004 Conference on groupoids and stacks in physics and geometry, CIRM, Luminy, Marseille.
- 2004 Conference on noncommutative geometry in mathematics and physics, CIRM, Luminy, Marseille.
- 2003 Euroschool and euroconference PQR (Poisson geometry, quantization and representation theory), Brussels.
- 2003 International conference and spring school on noncommutative geometry and applications, Vanderbilt University, Nashville.
- 2002-2003 Seminar on Noncommutative Geometry, University of Amsterdam.
- 2001-2002 Seminar on Tensor Categories in Mathematical Physics, University of Utrecht and University of Amsterdam.
- 2000-2001 Seminar on Geometry and Quantization, University of Utrecht and University of Amsterdam.
- 1999-2000 Seminar on Groupoids, University of Utrecht and University of Amsterdam.