

Curriculum Vitae

Dr. Atle Hahn

Biographical Data

Date of birth: July 3, 1970
Place of birth: Göttingen, Germany
Citizenship: German
Marital status: Single
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Education

- PhD in Mathematical Physics
 - University of Bonn, April 2001
 - Advisor: Prof. Dr. Sergio Albeverio
- Degree in Mathematics (“Diplom”)
 - University of Bonn, October 1997
 - Advisor: Prof. Dr. Dietmar Arlt
- Degree in Physics (“Vordiplom”), University of Stuttgart, October 1991
- Highschool degree (“Abitur”), Remstal-Gymnasium, Weinstadt, Germany, April 1989

Awards/Scholarships

- “Feodor Lynen” Scholarship from the Alexander von Humboldt foundation, Oct. 2005 – Sept. 2006
- 1990 Scholarship (“Studienstiftung des deutschen Volkes”)
- Winner (“Bundessieger”) of the German national mathematics competition “Bundeswettbewerb Mathematik 1989”

Employment Record

Current position: “Ciencia 2007” Researcher at the Mathematical Physics Group of the University of Lisbon (since December 1st, 2007)

Positions held:

- Apr. 2003 – Sept. 2005: Research Associate at the Department for Probability Theory and Mathematical Statistics, University of Bonn
- Jan. 2001 – Sept. 2002: Research Associate at the Department for Probability Theory and Mathematical Statistics, University of Bonn
- Jan. 1998 – Dec. 2000: Teaching Assistant at the Department for Probability Theory and Mathematical Statistics, University of Bonn.

Research stays:

- Research stay at IMAR, Bucharest, Romania, March 2007 – Jun. 2007
- Research stay at IMAR, Bucharest, Romania, Oct. 2006 – Jan. 2007
- Research stay at the Louisiana State University, Baton Rouge, USA, Oct. 2005 – Sept. 2006
- Four 1-week stays at the Max Planck Institut für Gravitationsphysik (Albert Einstein Institut), Potsdam, Germany, 2005
- Research stay at the Centro Vito Volterra, University of Rome II, Oct. 2002 – March 2003

Current Research Area

Topological quantum field theories and their applications to low dimensional topology

Teaching Experiences

- 2007 Lecture: “Mathematical Foundations of Quantum Mechanics”, Scoala Normala Superioara, Bucharest
- 2006/2007 Lecture: “Lie groups and Quantum Physics”, Scoala Normala Superioara, Bucharest
- 2005 Lecture: “Mathematik in der Biologie II”, University of Bonn
- 2004/2005 Lecture: “Mathematik in der Biologie I”, University of Bonn
- 2004 Lecture: “Darstellungstheorie von Liegruppen und Anwendungen in der Mathematischen Physik” (Representation Theory of Lie groups and Applications to Mathematical Physics), University of Bonn
- 2003–2004: Assistent of Prof. K.-Th. Sturm’s Lectures “Analysis I and II”
- 2001/2002 (with Prof. S. Albeverio): Seminar “Markov-Felder, Stochastische Algorithmen und Anwendungen” (Markovian fields, stochastic algorithms and applications),
- 1995–2002 Several tutorials on Calculus and Probability Theory for mathematics and physics students in their 1st, 2nd and 3rd year

Other professional experiences

Two statistical expertises for a court proceedings at the Landgericht Dresden in August 2004

Invited Conference Talks

- International Conference on Quantum Bio Informatics, Tokyo University of Science, Noda, February 2007
- Annual meeting of the German Physical Society (DPG), Plenary lecture (“Hauptvortrag”) in the section “Theoretische und Mathematische Grundlagen der Physik”, Berlin, March 2005
- “Stochastic Analysis, Classical and Quantum. Perspectives of White Noise Theory”, Meijo University, Nagoya, November 2004
- International Congress on Mathematical Physics, Young Researchers’ Symposium, Lisbon, July 2003
- “The Feynman Integral along with Related Topics and Applications”, MSRI, Berkeley, December 2002.
- “Infinite Dimensional Stochastic Analysis and Related Fields”, Kyoto and Fukuoka, October 2000.

Other Conference Talks

- AMS Sectional Meeting, Special Session on invariants of low-dimensional manifolds (Title of talk: “Towards a path integral derivation of the Reshetikhin-Turaev invariants”), International University of Florida, Miami, April 2006
- Sino-German Conference on Stochastic Analysis (satellite meeting to the ICM, Beijing), Beijing, August 2002
- Workshop on Stochastic Analysis, St. Petersburg, June 2001

Invited Talks in Seminars

- Colloquium, New Mexico State University, Las Cruces, September 2006
- Colloquium, Louisiana State University, Baton Rouge, April 2006
- Seminar, Max Planck Institut für Gravitationsphysik, Potsdam, January 2006
- Seminar, Max Planck Institut für Gravitationsphysik, Potsdam, May 2005
- Symposium “Neuere Aspekte der Quantenfeldtheorie”, University of Göttingen, June 2004
- BiBoS-Seminar, University of Bielefeld, March 2001.
- Seminar “II. Institut für Theoretische Physik”, University of Hamburg, June 1999
- Seminar “Dynamical Systems”, KTH Stockholm, February 1999
- Seminar “II. Institut für Theoretische Physik”, University of Hamburg, November 1997