

Curriculum vitæ

Personal Information

- Full name: Aleksi Risto Johannes Vuorinen
- Date and place of birth: March 11th 1980, Helsinki, Finland
- Nationality: Finnish
- Language skills: Finnish (native), English (excellent), German (good), Swedish (good), French (basics)
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Education

- High School Diploma, Helsingin Normaalilyseo, June 1998
- Master of Science, University of Helsinki, November 2001
 - Major subject Theoretical Physics, minors in Mathematics and Physics
 - M.Sc. thesis: *Four-loop Feynman Diagrams in Three Dimensions*
- Doctor of Philosophy, University of Helsinki, January 2004
 - PhD thesis: *The Pressure of QCD at Finite Temperature and Quark Number Density*
 - Grade *laudatur*, highest of seven
- Habilitation, University of Helsinki, March 2009

Work History

- University of Helsinki, Department of Physical Sciences
 - Research Assistant, 6/2000 - 8/2000
 - Researcher, 1/2001 - 8/2004
- University of Washington, Department of Physics
 - Research Associate, 9/2004 - 6/2007
- Technical University of Vienna, Institute of Theoretical Physics
 - Lise Meitner Fellow, 7/2007 - 12/2007
- CERN, Theory Division
 - Senior Fellow, 1/2008 - 10/2009
- University of Bielefeld, Faculty of Physics
 - Sofja Kovalevskaja Group Leader, 12/2008 -
 - The group consists of myself, on average four postdoctoral researchers, and three PhD students

Teaching and Supervising

- Teaching Assistant, University of Helsinki, 1/2001 - 4/2004, on courses
 - Applied Quantum Field Theory
 - Hydrodynamics
 - Statistical Physics I & II
 - Quantum Mechanics I
- Guest Lecturer, University of Washington, 1/2005 - 6/2007, on courses
 - Classical Mechanics (undergraduate), 2 lectures
 - Mathematical Methods in Physics (undergraduate), 6 lectures
 - Particle Physics (graduate), 1 lecture
 - Quantum Field Theory (graduate), 12 lectures
 - Quantum Mechanics (graduate), 3 lectures
- $\mathcal{O}(20)$ lectures for Finnish high school students visiting CERN, 2008 - 2009
- Lecture course *Symmetries in Physics* (2 hrs/week), University of Bielefeld, winter semester 2010 - 2011

- Numerous invited lectures in various schools and workshops (e.g. Erice, 2012)
- Co-organizer of summer school *Aspects of QCD at Finite Density*, University of Bielefeld, September 2011
- Supervised students (all at the University of Bielefeld):
 - Stefan de Boer, 5/2011 - 10/2011, Bachelor student
 - Martin Krssak, 6/2010 - , PhD student
 - Sylvain Mogliacci, 9/2010 - , PhD student
 - Vikesh Siddhu, 5/2011 - 7/2011, summer student
 - Yan Zhu, 9/2010 - , PhD student

Major Honors and Awards

- M.Sc. Thesis Award, Faculty of Science, University of Helsinki, 2001
- Finalist in the *Pappalardo Fellowships for Physics* competition, Massachusetts Institute of Technology, 2003
- PhD Thesis Award, Finnish Academy of Sciences and Letters, 2004
- Sofja Kovalevskaja Award (1.155.000 euros), Alexander von Humboldt Foundation, 2008

Other Academic Activities

- Student member in the *International Evaluation Committee of Teaching* at the Department of Physical Sciences, University of Helsinki, 2002
- Active referee for European Physical Journal, Journal of High Energy Physics, Physical Review, and Physics Letters