

Curriculum Vitae Of Johannes (Jan) Zaanen.

Address: Professor of Theoretical Physics
Instituut-Lorentz for Theoretical Physics
Leiden University
P.O.B. 9506, 2300 RA Leiden
The Netherlands

Phone: +31-71-5275506
Fax: +31-71-5275511
E-mail: jan@lorentz.leidenuniv.nl
Homepage: <http://www.lorentz.leidenuniv.nl/> jan
Born: 1957, Leiden, the Netherlands

Professional Career:

- 1982 Graduated in Chemistry from University of Groningen, Cum Laude.
- 1986 Doctorate in Physics from the University of Groningen, Cum Laude,
Thesis advisor G.A. Sawatzky.
- 1987 Post-doctoral research associate (Max-Planck Stipendiat) at the
Max-Planck Institut für Festkörperforschung, Stuttgart, Germany.
- 1988 Member of the scientific staff at the Max-Planck Institut
für Festkörperforschung, Stuttgart, Germany.
- 1990 Resident visitor of the theory department of AT&T Bell Laboratories
(Murray Hill, New Jersey, USA), supported by the dutch Foundation
for Fundamental Research.
- 1993 Fellowship (5 years) of the KNAW (Dutch Academy of Sciences),
at the Instituut-Lorentz for Theoretical Physics of Leiden University, The Netherlands.
- 1998 Universitair Hoofd Docent (Associate Professor) of Theoretical Physics,
Leiden University, The Netherlands.
- 2000 (- present) Professor of Theoretical Physics, Leiden University, the Netherlands.
- 2004 - 2005 Visiting Professor of Theoretical Physics ,
Stanford University, USA.
- 2010 Visiting professor of Theoretical Physics,
Ecole Normale Supérieure, Paris, France.

Distinctions:

- 1986 Koninklijke Shell Studiebeurzen Prijs for the best doctoral thesis in the sciences at the University of Groningen in 1986.
- 2001 Portrait in IOTA (TELEAC, dutch television)
- 2004 Senior Fellowship of the Fulbright foundation, USA.
- 2004 Winner of the Dutch National Science Quiz.
- 2006 Spinoza Award of the NWO.
- 2008 Outstanding referee award of the American Physical Society.
- 2008 Fellow of the American Physical Society.

Professional activities:

- 1985 Consultant of Xerox Palo Alto Research Laboratory, USA.
- 1988 Consultant of Philips Research Laboratory, The Netherlands.
- 1990-1993 Visiting scholarship of AT&T Bell Laboratories, Murray Hill, USA)
- 1996-1999 Consultant of Los Alamos National Laboratory, USA.
- 2001- 2008 Chairman of the Ehrenfest Colloquium (general Physics Colloquium at Leiden University)
- 2005- Board of the DRSTP (Dutch Research School for Theoretical Physics).
- 2007- Member, Advisory board Capital Tool Company
- 2007- Member, Review Editorial Board, Science Magazine.
- 2008- Chairman, Lorentz visiting professor chair, Leiden University
- 2008- Director, Casimir (Leiden-Delft) Graduate School.
- 2009- Editorial Advisor, Nature (free subscription).
- 2010 - Editor, Journal of High Energy Physics

Talks in 2010

1. Jan Zaanen, *Het Universum in een korreltje roest*, Natuurkundig Genootschap Assen, Jan. 12-13.
2. Jan Zaanen, *A black hole full of answers*, Focus session FOM Veldhoven meeting, Veldhoven, The Netherlands, Jan 19.
3. Jan Zaanen, *A black hole full of answers*, Physics Colloquium Loughborough University, Loughborough, United Kingdom, Jan. 27.
4. Jan Zaanen, *Een zwart gat vol met antwoorden*, NSA Symposium, Amsterdam, The Netherlands, Feb. 16.
5. Jan Zaanen, *Mott collapse and statistical quantum criticality*, Seminar Lawrence Livermore National Laboratory, Livermore, USA, March 10.

6. Jan Zaanen, *Anti-de-Sitter to Condensed Matter Theory: an update*, Theoretical Institute of Photon Science Workshop, Stanford University, Stanford, USA, March 11.
7. Jan Zaanen, *Holography and the mystery of the quantum critical metals of condensed matter physics*, EMMI workshop String Theory Approach to QCD Thermodynamics and Kinetics, Institut für Theoretische Physik, Heidelberg, Germany, March 15-19.
8. Jan Zaanen, *AdS/CFT and the fermions of condensed matter physics*, Theory group colloquium, Imperial College London, United Kingdom, March 29.
9. Jan Zaanen, *Quantum criticality, high T_c superconductivity and the AdS/CFT correspondence*, Colloquium Utrecht University, The Netherlands, Apr.7.
10. Jan Zaanen, *discussion leader: theory*, Lorentz Center Workshop: Inter-phase: Novel Electronic States at Interfaces in Oxides, Leiden University, Leiden, The Netherlands, April 28.
11. Jan Zaanen, *A black hole full of answers*, Colloquium London Centre for Nanotechnology, London, United Kingdom, May 5.
12. Jan Zaanen, *The Conference summary*, Conference on Spectroscopies in Novel Superconductors (SNS2010), Fudan University, Shanghai, China, May 23-28.
13. Jan Zaanen, *The AdS to condensed matter correspondence*, European workshop on string theory, Institute of Theoretical Physics and University of Oviedo, Madrid, Spain, June 14-18.
14. Jan Zaanen, *Quantum criticality high T_c superconductivity and the AdS/CFT correspondence of string theory*, Superstripes 2010 conference, Erice, Itali, July 19-25.
15. Jan Zaanen, *AdS/CFT and the fermions of condensed matter physics*, NORDITA program on Quantum Solids, Liquids and Gasses, Stockholm, Sweden, July 28-30.
16. Jan Zaanen, *Mott collapse, statistical quantum criticality and high T_c superconductivity*, 197-th Zhong-Guan-Cun forum on condensed matter physics, Institute of Physics, Chinese Academy of Sciences, Beijing, China, Aug 11.
17. Jan Zaanen, *Quantum criticality, high T_c superconductivity and the AdS/CFT correspondence*, seminar, Institute for Advanced Studies Tsinghua University, Beijing, China, Aug 16.
18. Jan Zaanen, *Focus session AdS/CFT*, UK-NL Meeting, Cambridge, United Kingdom, Sept 2-3.
19. Jan Zaanen, *Mott Collapse, statistical quantum criticality and high T_c superconductivity*, Physics department, University of Tokyo, Tokyo, Japan, Sep 24.
20. Jan Zaanen, *Quantum Criticality, high T_c superconductivity and the AdS/CFT correspondence of string theory*, Opening Symposium of QS2C forum, RIKEN, Tokyo, Japan, Sept. 27.

21. Jan Zaanen, *Quantum criticality, high T_c superconductivity and the AdS/CFT correspondence*, Physics Colloquium, University of Tennessee, Knoxville, USA, Oct 11.
22. Jan Zaanen, *Quantum criticality, high T_c superconductivity and the AdS/CFT correspondence*, Physics Colloquium, University of Louisiana, Baton Rouge, New Orleans, USA, Oct 14.
23. Jan Zaanen, *The holographic (non) Fermi-Liquids*, First String Meeting, University of Groningen, The Netherlands, Nov 5.
24. Jan Zaanen, *Condensed matter for string theorists: I.* "Fermionic quantum criticality", departments of theoretical physics, Ecole Normale Superieur Paris and University Pierre et Marie Curie, Paris, nov. 10.
25. Jan Zaanen, *Quantum criticality, high T_c superconductivity and the AdS/CFT correspondence*, Another Workshop on Aspects of Gauge/Gravity duality, Department of Applied Mathematics and Theoretical Physics, Cambridge University, Cambridge, UK, nov 15.
26. Jan Zaanen, *Condensed matter for string theorists: II.* "The experimental jungle", departments of theoretical physics, Ecole Normale Superieur Paris and University Pierre et Marie Curie, Paris, nov. 17.
27. Jan Zaanen, *Condensed matter for string theorists: III.* "The AdS/CFT correspondence", departments of theoretical physics, Ecole Normale Superieur Paris and University Pierre et Marie Curie, Paris, nov. 24.
28. Jan Zaanen, *Snaartheorie in de echte wereld*, Cleveringa lezing, Brussel, Belgie, Nov. 25.
29. Jan Zaanen, *Snaar theorie in de echte wereld*, Studium Generale, Universiteit Twente, Enschede, The Netherlands, Dec. 2.
30. Jan Zaanen, *Van der Waals, de toestand vergelijking en de 21ste eeuwse fysica*, Museum Boerhaave, Leiden, The Netherlands, Dec. 9.
31. Jan Zaanen, *Quantum criticality, high T_c superconductivity and the AdS/CFT correspondence*, Colloquium Leibniz Institute IWF, Dresden, Germany, Dec. 16.