

Curriculum vitae Paul van Loosdrecht

Personal

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Professional Career

2013-now	Full professor (W3) at the university of Cologne, II. Physikalisches Institut
2020-2023	Dean of the Faculty of Mathematics and Natural Sciences, university of Cologne.
2014 - 2017	Extraordinary professor at the university of Western Cape.
2008 - 2013	Honorary professor at the university of Jilin, State Key Laboratory of Supramolecular Structure and Materials.
2003 - 2013	Full professor at the university of groningen, Optical Condensed Matter Physics.
2003	Associate professor at the university of groningen, Optical Condensed Matter Physics
2000-2002	Assistant professor at the university of groningen, FOM “Springplank” award.
1996-1999	“Akademische Rat” (A13) at the Rheinisch-Westfälische Technische Hochschule, Aachen, Germany. Group: II. Physikalisches Institut (Prof. Dr. G. Güntherodt).
1994-1996	Post-doc at the CNRS/MPI High Magnetic Field Laboratory, Grenoble, France. Group: Semiconductor physics (Prof. Dr. G. Martinez).
1993-1994	Post-doc at the IBM-Almaden Research Center, San Jose, California, U.S.A., <i>TALENT</i> Award. Group: Physical sciences, Fullerenes (Dr. D.S. Bethune).
1988-1992	Ph.D. Research at the University of Nijmegen (The Netherlands). Thesis: “ <i>Dynamical and Electronic Properties of Incommensurate and Fullerene Crystals</i> ”. Supervisors: Prof. Dr. A.G.M. Janner, Prof. Dr. H. van Kempen and Prof. Dr. G. Meijer.
1983-1988	Physics study at the Technical University of Eindhoven. Thesis: “ <i>Magneto-transport phenomena in quantum point contacts</i> ”. Supervisors: Prof. Dr. J. Wolter and Dr. H. van Houten. Philips Research Laboratories at Eindhoven (The Netherlands).
1976-1983	High school (Atheneum-B), Paulus Lyceum at Tilburg (The Netherlands).

Research interests

- Correlations, topology, and spin-orbit coupling in materials
- Frustrated and quantum magnetism
- Optically induced phenomena and optical manipulation of matter
- Organic semiconductors and the physics of organic photovoltaics
- Main experimental techniques: Steady state and ultrafast optical and magneto-optical spectroscopies;

National and International cooperations

- Scientific cooperations with groups in the Netherlands, Russia, Japan, Italy, France, Germany, China, USA, Slovenia, Cyprus, Greece, Switzerland, Indonesia, South Africa.

Scientific output

- > 230 ISI indexed publications in refereed international journals (WOS H-index 44).
- $\sim 4 - 6$ invited lectures at international conferences and workshops yearly.

Awards and distinctions.

- Extraordinary professor University of Western Cape, 2014-2019, South Africa
- Partner of the Crete Center for Quantum Complexity and Nanotechnology, 2013-2016, Heraklion, Greece.
- Honorary professor Jilin university, 2008-2013, Changchun, China.
- Guest professor University of Western Cape, 2010,2012,2013, South Africa.
- Guest professor Kazan State University, 2008, Kazan, Russia.
- Springplank award, 2000-2005, Dutch Organization for Fundamental Research of Matter (FOM).
- *TALENT* award, 1994/95, Dutch Organization for Scientific Research (NWO).

Teaching

- 32 completed PhD Theses, currently guiding 7 PhD students
- > 40 MSc and BSc student projects
- Teaching and developing courses for MSc and BSc curricula since 2001, including condensed matter physics, theoretical condensed matter physics, quantum mechanics, optical properties of solids, magnetism, superconductivity.

Organization, etc.

- Vice-dean Personnel and Finance (2018-2020).
- Speaker collaborative research center SFB1238 (2016-2020).
- Managing director II. Phys. Inst., University of Cologne (2014-2018).
- Member scientific advisory board Center for Advanced Materials, University of Heidelberg (2018-)
- Member Ethics Committee University of Cologne (2016-).
- Member BSc exam committee physics (2017-)
- Editor Physics Reports (2017-).
- Guest Editor European Physical Journal B (2012/13).
- Founder of the Gordon Conference Series on "Ultrafast Phenomena in Cooperative Systems" (2006-).
- Chair/Steering committee member/Program committee member of >10 international conferences.
- Member of Program committees of Large scale facilities (GHMFL, France 2001-2012; FERMI@Elettra, Italy, 2015-).
- Member of various university and national project evaluation boards (2003-).
- Chair of the board of the Zernike Institute for Advanced Materials (2012).
- Chair Bachelor curriculum committee Physics and Technical Physics (2011-2013).
- Chair of the tenure committee faculty of science (BC1, RUG) (2010-2013).
- Chair and co-founder of the *TOP*-Master Nanoscience (2002-2011).
- Head of science ZFEL (2011-2013).