

# DR. IR. ING. REINOUD LAVRIJSEN

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## Curriculum Vitae (December 2017)

Office Address: Eindhoven University of Technology  
Department of Applied Physics  
Group Physics of Nanostructures  
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Website: <http://www.reinoudlavrijsen.nl/>  
Birth date: March 21<sup>st</sup>, 1980  
Birth place: Misikhu district Bungoma, Kenya  
Nationality: Dutch

## MAJOR PROFESSIONAL INTERESTS

Nanotechnology, Condensed Matter Physics, Spintronics, Material Science, Teaching

## EDUCATION

2007 – 2010 Ph.D. Eindhoven University of Technology,  
Department of Applied Physics, Group Physics of Nanostructures  
Thesis title: [Another spin in the wall](#)

2003 – 2006 MSc (Ir.), Eindhoven University of Technology, Applied Physics

1998 – 2003 BSc (Ing.), Fontys University Eindhoven, Engineering Physics

## PROFESSIONAL EXPERIENCE

Jun. 2015 – Present

Assistant Professor (Tenure Track) at Eindhoven University of Technology (TU/e), group Physics of Nanostructures.

Jan. 2013 – Dec. 2015

Research fellow at Eindhoven University of Technology (TU/e) with a personal [VENI](#) fellowship from the Dutch Organization for Scientific Research (NWO)  
Research Project: *Three torques are better than one*

Jun. 2011 – Dec. 2012

Research fellow at the Cavendish Laboratory with a personal [Rubicon](#) fellowship from the Dutch Organization for Scientific Research (NWO)  
Research Project: *Shifting spintronics into the third dimension*

Mar. 2011 – May 2011

Post-doctoral research associate at the Cavendish Laboratory (Physics Department of the University of Cambridge) in the Thin Film Magnetism group with Prof. Russell Cowburn FRS

2007 – 2011

PhD (see education)

2006 (10 months)

Master thesis at Eindhoven University of Technology (TU/e),  
Topic: *MgO based Magnetic Tunnel Junctions*

2003 (6 months)

Bachelors thesis at **CERN**, Geneva, Switzerland,  
Topic: *Modeling the cool down sequence of the LHC*

2001 (6 months)

Internship at the institute for materials, **CESTM**, State University of New York (**SUNY**), Albany, NY, USA  
Topic: *Optical interconnect design, testing a Spectrometer for NASA*

1997 – 2001

**JDS Uniphase**, Eindhoven, The Netherlands  
Topic: *Assistant to Senior Engineer (wavelength-locking lasers)*

## LIST OF PUBLICATIONS, PRESENTATIONS & REVIEWER

- I am first author or co-author of 38 publications (h-index: 14) and have been invited to speak at major international conferences and to chair sessions. See list of publications and presentations attached separately.
- I regularly act as a referee for Nature Communications, Physical Review Letters, Physical Review B, Applied Physics Letters, Journal of Physics D, Journal of Applied Physics and have chaired sessions at international conferences such as MMM/Intermag.

## TEACHING EXPERIENCE & CERTIFICATES

- Lecturer for the Applied Natural Sciences bachelor course at the TU/e
- Co-teaching Graduate-Courses; “NanoMagnetism” and “Spintronics” at TU/e
- Associate Fellow of the [Higher Education Academy](#), AFHEA, (UK Professional Standards Framework UKPSF)
- 2011- 2012: Supervision-Teacher of Physics 1A at Sidney Sussex College, Cambridge, UK
- Supervised ~21 students

## HONORS, AWARDS AND GRANTS

- Nominated for the best master-phase teacher of the TU/e 2016-2017

- Winner of the [Nationale Wetenschaps Quiz 2016](#), National TV
- Co- author / applicant for various granted grant proposals (i.e. FOM projectruimte, NWO Zwaartekracht)
- Personal [VENI](#) grant from the Dutch Organization for Scientific Research (NWO) Jan. 2013 – Dec. 2015 (250 k€)
- Personal [Rubicon](#) grant from the Dutch Organization for Scientific Research (NWO) Jun. 2011 – Dec. 2012 (110 k€)
- Best XL-presentation award Applied physics TU/e, October 2011
  - Best presentation in the “PhDs presenting their research project for physics student” series.
- Best supervisor award, Faculty of Applied Physics, 2007-2008
- Nominated for the best Master thesis award 2006 of the whole Eindhoven University of Technology.
- Best presentation award at the NEVAC studentendag 2006.

## LANGUAGES

	<i>Writing</i>	<i>Speaking</i>
Dutch	Native	Native
English	Excellent	Excellent
German	Basic	Basic
French	Basic	Basic

## NOT WORK RELATED

Interests range from music, music making (piano, guitar), in-door soccer, squash, strategy board games, traveling, detectives, cooking, XC mountain biking.