

Curriculum Vitae

Leonard Frederic Henrichs

Personal information

Email: pmlfh@leeds.ac.uk

Family status:

Married

Nationality:

German



Work/Professional Experience

- 05/2012 - today **Phd-Student:** as part of the Initial Training Network “NANOMOTION”, Institute for Materials Research, University of Leeds, United Kingdom
Title: Magnetoelectric effect in single phase multiferroics
- 09/2012 - today **Lab Captain** responsible for holding meetings, ordering consumables for lab
- 02/2014 **Industrial workshop** at Corporate Research department of Robert Bosch GmbH, Stuttgart Germany
- 01/2014 **Five day workshop** Introduction to Programming for PhD Students (Python), University of Leeds, United Kingdom
- 09/2013 **Five day summer school** on finite element modelling (with Ansys), University of Duisburg/Essen, Germany
- 03/2013 **Five day school** on piezoresponse force-microscopy, Oak Ridge National Laboratory, Tennessee, USA
- 01/2009 - 04/2012 **Private lessons teacher** (*Tutoria GmbH*): mathematics and sciences for students and adults in higher education, customer satisfaction score: 4,79 out of 5 points

Research Experience:

- Solid state synthesis and processing of oxide ceramics (milling, sieving, sintering, grinding, polishing, electroding)
- Characterization techniques: piezoresponse force-microscopy (PFM) and atomic force-microscopy (AFM), X-ray diffraction, scanning electron-microscopy (SEM) with EDX-spectroscopy, impedance spectroscopy, magnetometry

→ Preparation of thin films and characterization with transmission electron-microscopy (TEM) and related analytics (EELS-spectroscopy, selected area diffraction)

Education

10/2006 - 12/2011 **University of Bonn**, Germany
Subject of study: Chemistry
Degree: Diploma (equivalent to M.Sc.)
Grade: 1,2
Intermediate Diploma (Vordiplom): Grade: 1,3
Title of Diploma-thesis: "New Materials for Thin-Film Phase-Plates", grade: 1,0 (work was carried out at research-center "Caesar", Bonn, Germany)
Specialization course (Nebenfach) surface-chemistry, Grade: 1,0

1997 - 2006 **High school** Gymnasium am Löhrtor, Siegen, Germany,
Degree: Abitur
Grade: 2,3

Commitment

11/2010 - 02/2012 **Chair (Sprecher) of *Young Chemists Forum (JCF)-Bonn of the German Chemists Society (GDCh e.V.)***

10/2010 - 03/2011 **Host** of a scientific discussion club

Achievements/Scholarships

05/2012 - 05/2015 **Scholarship** of the *Marie-Curie-Foundation* by the European Commission within the Initial Training Network "NANOMOTION"

06/2011 - 12/2011 **Scholarship** of the *Theodor-Laymann-Foundation* of the University Bonn for financial support during work on a Diploma-thesis

01/2011 - 01/2012 **Scholarship** of *e-fellows.net* (*e-fellows.net* supports the best 10% of an age-group)

Additional Skills

Software Skills: Microsoft Office, Python programming, LaTeX, Origin Pro, Plot, ImageJ Chemdraw

Languages:

German	native speaker
English	fluently
French	basic skills

Interests

Family is most important “hobby” (wife and two children), football, music: singing and playing guitar, history, literature (historical and fantasy novels)

Web

<http://nanomotion.eu/people/esr6/>
[http://www.engineering.leeds.ac.uk/people/spe
me/staff/l.f.henrichs](http://www.engineering.leeds.ac.uk/people/spe
me/staff/l.f.henrichs)