

PD Dr. Carolin Schmitz-Antoniak

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🌐 <https://www.csa-group.de>

Metrics (as at 09/2019)

Publications: H index = 19; total citations > 1100 (Google Scholar)
43 articles in peer-reviewed journals
3 review articles (2 of them invited)
2 book chapters

Presentations: 27 invited talks

Current position

- **Principal Investigator** (permanent position), Peter-Grünberg-Institut (PGI-6), Jülich Research Center, Germany
- **Lecturer** (“Privatdozentin”), Free University Berlin, Germany

Professional background and education

- 02/2014 – 01/2019 **Group leader** of the Helmholtz Young Investigators Group *Borderline Magnetism*, Peter-Grünberg-Institut (PGI-6), Jülich Research Center, Jülich, Germany
- 04/2014 – 03/2017 **Lecturer** (“Privatdozentin”), University of Duisburg-Essen, Germany
- 03/2014 **Habilitation**, University of Duisburg-Essen, Germany
- 01/2008 – 12/2013 **Research staff** („Akademische Rätin“), Faculty of physics, group of Prof. Heiko Wende, University of Duisburg-Essen, Germany
- 11/2010 – 05/2011 **Feodor Lynen fellow** at the Laboratoire de Chimie de Coordination, Toulouse, France
- 06/2004 – 12/2007 **Research assistant** in the Collaborative Research Centre (SFB) 445: Nanoparticles from the gas phase
- 06/2004 – 12/2007 **PhD thesis**, Faculty of Physics (group of Prof. Michael Farle), University of Duisburg-Essen: *Magnetic properties of Fe-Pt alloys: Bulk material and nanoparticles (summa cum laude)*
- 10/1999 – 05/2004 **Studies of Physics**, Technical University Braunschweig, Germany
Degree: **Diploma**

Awards and Fellowships

- 08/2015 Gottschalk-Diederich-Baedecker award
- 09/2012 “Invited Professor” at the Université Paul Sabatier, Toulouse, France
- 07/2012 Dale Sayers Award of the International X-Ray Absorption Society (IXAS)
- 04/2012 EU short-term scientific mission within the framework of the European Cooperation in Science and Technology Programme
- 11/2010 – 05/2011 Feodor Lynen fellowship of the Alexander von Humboldt foundation
- 10/2008 PhD award of Sparkasse Duisburg
- 07/2008 PhD award of the University of Duisburg-Essen
- 12/2003 Award for outstanding student’s achievements (“Braunschweiger Bürgerpreis für herausragende studentische Leistungen”)

Teaching experience (selection)

- since 04/2017 Free University Berlin
Lectures, practise seminars, tutorials in different disciplines and programmes
- Magnetic Nanoparticles: Fundamentals and Applications
 - Physics I
- 10/2008 – 03/2017 University of Duisburg-Essen
Lectures and practise seminars (M.Sc.):
- Basics of Magnetism
 - Magnetism in Energy Science
 - Introduction to Solid State Physics
- Further teaching activities:
- supervision of students in seminars on recent topics in physics
 - Set-up, commissioning, and support of a new experiment for students (M.Sc.) “Low-energy electron diffraction and Auger spectroscopy in ultra-high vacuum”
 - Supervision of students in different disciplines (Physics, Electrical Engineering, Mechanical Engineering)