

Magdalena Kersting

Curriculum Vitae

Department of Teacher Education and School Research
University of Oslo
Postboks 1099
0317 Oslo, Norway
☎ 0047 403 80 496
✉ magdalena.kersting@ils.uio.no

Experience & Education

- 2020-present **Postdoctoral Researcher in Science Education**, *Department of Teacher Education & School Research*, University of Oslo, Norway.
- 2015-2019 **PhD in Physics Education**, University of Oslo, Norway.
Thesis: General Relativity in Secondary School - Research-Based Development of Learning Resources and Analyses of Students' Conceptual Understanding Using the Model of Educational Reconstruction
- 2015-2018 **Diploma in Communication and Public Relations Management**, Freie Journalistenschule Berlin, Germany.
Thesis: Communication at the crossroads of science and education
- 2013-2015 **Master of Science in Mathematics**, University of Göttingen, Germany.
- 2009–2012 **Bachelor of Science in Mathematics**, University of Göttingen, Germany.
- 2008–2011 **Bachelor of Science in Physics**, University of Göttingen, Germany.

Research Stays Abroad

- 11/2019 **Visiting Researcher**, *Centre of Science, Mathematics and Engineering Education Research (SMEER)*, Karlstad University, Sweden.
Project: Embodied Cognition in Science Education
- 5/2019-
6/2019 **Visiting Research Fellow**, *ARC Centre of Excellence for Gravitational Wave Discovery*, Swinburne University of Technology, Melbourne, Australia.
Project: Virtual reality in science education and public outreach
- 8/2018-
4/2019 **Visiting Research Fellow**, *ARC Centre of Excellence for Gravitational Wave Discovery*, University of Western Australia, Perth, Australia.
Project: Combining digital and physical learning environments in a science exhibition

Honors, Scholarships & Awards

- 2019 **Hartle Award for Best Oral Talk by a Student**, GR22/Amaldi13, *Valencia, Spain*.
- 2019 **Best Oral Presentation of a Young Researcher in Physics Education**, **GIREP 2019**, *Budapest, Hungary*.

- 2019 **Science Studies Colloquium Series Qualification Scholarship**, *Einstein's Impact on Society*, University of Oslo.
- 2019 **EARLI Mentoring Grant**, *Embodied Cognition in Physics Education*, University of Karlstad.
- 2018 **Norwegian Research Council personal overseas research grant**, *Combining digital and physical learning environments in a science exhibition*, University of Western Australia & Gravity Discovery Centre.
- 2018 **ESERA Travel Award**, *Students' Construction of the Time Concept in General Relativity*, University of Western Australia.
- 2017 **Winner of the Science on Stage National Competition in Norway**, *joint application with Henning Vinjusven Myrenhagen*, *A Relatively Modern Physics Lesson*, Tekna Fagforening & Science on Stage.
- 2016 **Norwegian Research Council workshop grant**, *joint application with the Research Section for Physics Education*, *International Workshop on the Teaching and Learning of Einsteinian Physics in the Era of Gravitational Astronomy*, Gravity Discovery Centre, Western Australia.
- 2014 **DAAD Promos Mobility Stipend**, University of Oslo.
- 2011 **Bachelor of Science with Distinction**, *University of Göttingen*.

Professional Membership

- 2019-present **ISGRG**, International Society of General Relativity & Gravitation.
- 2018-present **ISLS**, International Society of the Learning Sciences.
- 2017-present **PESGB**, Philosophy of Education Society of Great Britain.
- 2016-present **EARLI**, European Association for Research on Learning and Instruction.
- 2015-present **ESERA**, European Science Education Research Association.

Professional Activities

- 2020-present **Co-Leader of iGrav Working Group**, *Co-Leader of the iGrav Formal Education and Evaluation Working Group*.
- 2019-present **Reviewer**, *Pedagogies: An International Journal*.
- 2019-present **Reviewer**, *Physical Review Physics Education Research*.
- 2018-present **Reviewer**, *Science and Education*.
- 2017 **Member of Local Organizing Committee**, *Conference: EuroDoc Open Science – Challenges and Opportunities for Early Career Researchers*, University of Oslo, Norway.
- 2016 **Member of International Scientific Committee**, *Conference: International Workshop on the Teaching and Learning of Einsteinian Physics*, Gravity Discovery Centre, Gin Gin, Australia.

2013–2016 **Project Leader of Student Physics Magazine Detektor**, *German Physical Society*, Hamburg, Germany.

Teaching Experience

8/2016-2018 **Undergraduate and Graduate Courses**, *Teaching Assistant*, Oslo, Norway.

- (Spring 2018) FYS4160 - General Relativity
- (Spring 2017) FYS4160 - General Relativity
- (Autumn 2016) FYS1120 - Electromagnetism

3/2014– **Revision Courses**, *Course Reader*, Göttingen, Germany.

- 4/2015 ○ (4/2015) Multimedia Revision Course in Calculus
- (3/2014) Revision Course in Calculus

10/2010– **Undergraduate Courses**, *Teaching Assistant*, Göttingen, Germany.

- 3/2014 ○ (Winter 2013/14) Calculus
- (Summer 2012) Complex Analysis
- (Winter 2011/12) Calculus
- (Summer 2011) Electrodynamics
- (Winter 2010/11) Calculus

10/2009– **Freshmen Courses**, *Course Reader*, Göttingen, Germany.

- 9/2013 ○ (9/2013) Mathematics for Agricultural Science and Forestry Students
- (10/2010) Physics for Agricultural Science and Forestry Students
- (9/2010) Mathematics for Physics and Mathematics Students
- (10/2009) Physics for Agricultural Science Students

Professional Development Workshops

2017-present **Teacher Professional Development Workshops**, *Workshop Leader*.

- (08/2019) ESERA, joint workshop with Jackie Bondell from the Swinburne University of Technology, Bologna, Italy
- (12/2018) STAWA Future Science, Perth, Australia
- (11/2018) University of Western Australia, Perth, Australia
- (6/2018) Sandefjord Highschool, Sandefjord, Norway
- (11/2017) University of Bergen, Bergen, Norway
- (10/2017) Bro Aschehoug Publishing House, Oslo, Norway

Languages

German Native Speaker

Norwegian Fluent

English Fluent

French Basic Working Knowledge