

Jeffrey Christopher Everts

CURRICULUM VITAE | Last update: 17 July 2026

 Institute of Theoretical Physics • Faculty of Physics • University of Warsaw

 <https://www.fuw.edu.pl/~jeverts> |  jeffrey.everts AT fuw.edu.pl

 ORCID: 0000-0001-6289-3252  ResearcherID: AAQ-5632-2020  Google Scholar: Jeffrey C. Everts

■ EDUCATION

- 2025** **Habilitation in Theoretical Physics (*cum laude*)**
Faculty of Physics, University of Warsaw, Poland
Dissertation: *Electric double layers in anisotropic fluids*
- 2012 – 2016** **PhD in Theoretical Physics**
Institute for Theoretical Physics, Utrecht University, the Netherlands
Thesis: *Colloidal dispersions of repulsive nanoparticles: tunable effective interactions, phase behaviour and anisotropy*
Supervisor: prof. dr. René van Roij
- 2010 – 2012** **MSc in Theoretical Physics (GPA: 4.0/4.0, *cum laude*)**
Utrecht University, the Netherlands
Thesis: *Topological phases and fermionic superfluidity on the Lieb lattice*
Supervisor: prof. dr. Cristiane de Morais Smith
- 2007 – 2010** **BSc in Applied Physics (GPA: 4.0/4.0, *cum laude*)**
Eindhoven University of Technology, the Netherlands
Thesis: *Expression of chirality by competing nucleated self-assembly*
Supervisor: prof. dr. ir. Paul van der Schoot
- 2006 – 2010** **BSc in Chemical Engineering and Chemistry (GPA: 4.0/4.0, *cum laude*)**
Eindhoven University of Technology, the Netherlands
Thesis: *Expression of chirality in deuterated benzene-1,3,5-tricarboxamides*
Supervisor: dr. Anja Palmans

■ EMPLOYMENT

- 2026 – Present** **Associate professor (profesor uczelni)**
Institute of Theoretical Physics, Faculty of Physics, University of Warsaw, Poland
- 2022 – 2026** **Assistant professor (adiunkt)**
Institute of Theoretical Physics, Faculty of Physics, University of Warsaw, Poland
- 2020 – 2022** **Postdoctoral fellow**
Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland
Research advisor: prof. dr. Robert Holyst
- 2019 – 2019** **Visiting researcher**
Mathematical design of new materials research programme
Isaac Newton Institute, University of Cambridge, United Kingdom
- 2017 – 2020** **Postdoctoral fellow**
Faculty for Mathematics and Physics, University of Ljubljana, Slovenia
Research advisor: dr. Miha Ravnik
- 2008 – 2010** **Junior researcher**
Spinoza Institute, Eindhoven University of Technology, the Netherlands

■ SELECTED PUBLICATIONS (*Equal contribution)

1. J. C. Everts and B. Cichocki, *Dissipative effects in odd viscous Stokes flow around a single sphere*, Phys. Rev. Lett. **132**, 218303 (2024).
2. C. Dao, J. C. Everts, M. Ravnik, and Y. Tserkovnyak, *Nematronics: Reciprocal coupling between ionic currents and nematic dynamics*, Phys. Rev. Lett. **130**, 168102 (2023).
3. M. N. van der Linden*, J. C. Everts*, R. van Roij, and A. van Blaaderen, *Realisation of the Brazil-nut effect in charged colloids without external driving*, Proc. Natl. Acad. Sci. U.S.A. **120**, e2213044120 (2023).
4. J. C. Everts and M. Ravnik, *Ionically charged topological defects in nematic fluids*, Phys. Rev. X **11**, 011054 (2021).

5. J. C. Everts*, B. Senyuk*, H. Mundoor, M. Ravník and I. I. Smalyukh, *Anisotropic electrostatic screening of charged colloids in nematic solvents*, *Sci. Adv.* **7**, eabd0662 (2021).
6. M. Ravník and J. C. Everts, *Topological-defect-induced surface charge heterogeneities in nematic electrolytes*, *Phys. Rev. Lett.* **125**, 037801 (2020).
7. B. L. Werkhoven, J. C. Everts, S. Samin, and R. van Roij, *Flow-induced surface charge heterogeneity in electrokinetics due to Stern-layer conductance coupled to reaction kinetics*, *Phys. Rev. Lett.* **120**, 264502 (2018).
8. J. C. Everts, S. Samin and R. van Roij, *Tuning colloid-interface interactions by salt partitioning*, *Phys. Rev. Lett.* **117**, 098002 (2016).

■ EXTERNAL FUNDING

- 2025** *Microhydrodynamics of three-dimensional odd viscous fluids*, OPUS LAP grant, PI, National Science Centre (NCN), Poland.
- 2024** *Nematic electrolytes in and out of equilibrium: Effects of anisotropy, ferroelectricity, and activity*, SONATA BIS grant, PI, National Science Centre (NCN), Poland.
- 2022 – 2025** Individual Fellowship from the “Excellence Initiative - Research University” programme, Institute of Advanced Studies, Warsaw, Poland.
- 2020 – 2022** *Diffusion and flow in interacting complex fluids*, Ulam individual fellowship, PI, Polish National Agency for Academic Exchange (NAWA), Poland.
- 2018 – 2020** *Topological colloidal double layers*, Marie Skłodowska-Curie individual fellowship, PI, European Commission, Horizon 2020 Programme.

■ AWARDS

- 2025 – 2026** Teaching award for lectures Statistical Physics B, University of Warsaw, Poland.
- 2022** Award “Young Scientists of the IPC PAS” from the Institute of Physical Chemistry, Warsaw, Poland, based on publication list as the first or corresponding author with IPC PAS affiliation.
- 2022** Award for Outstanding Young Scientist from the Ministry of Education and Science, Poland - the most prestigious stipend for scientists under 35 in Poland.
- 2015** Poster prize, first place, Utrecht University, the Netherlands.

■ TEACHING ACTIVITIES

- 2023 – Present** Teaching at University of Warsaw – Statistical Mechanics of Particles and Fields (main lecturer), Microhydrodynamics & Fluctuations (lectures and tutorials), Statistical Physics B (main lecturer), Topics in Modern Statistical Physics (main lecturer), Statistical Physics A (tutorials).
- 2011 – 2014** Teaching assistant at Utrecht University, the Netherlands – Advanced Statistical Physics, Quantum Field Theory, Statistical Field Theory, Special Relativity & Classical Mechanics.
- 2008 – 2010** Student assistant – Supervising high school students in their final project on the synthesis and characterisation of liquid crystals, Eindhoven University of Technology, the Netherlands.

■ MSC THESIS SUPERVISION

1. Laura Meissner-Oszer, *Analytical solutions for creeping flow in anisotropic systems: from nematic order to odd viscosity*, defended on July 2025. **Awarded J. J. Glazer Prize 2026 for best MSc thesis.**

■ PHD THESIS SUPERVISION

1. Laura Meissner-Oszer, University of Warsaw, 01.10.2025 to present.

■ POSTDOC SUPERVISION

1. dr. Reinier van Buel, University of Warsaw, 01.12.2025 to present.

■ INSTITUTIONAL AND ORGANISATIONAL RESPONSIBILITIES

- 2025** Member of Organisation Committee, 8th Warsaw School of Statistical Physics, Chęciny, Poland.
- 2015 – 2016** Organizer of the PLaneT (PhD Lunch and non-expert Talk) Seminar, Institute for Theoretical Physics, Utrecht University, the Netherlands.
- 2014 – 2016** Master Programme Coordinator, Dividing educational tasks among PhD students, Institute for Theoretical Physics, Utrecht University, the Netherlands.
- 2011 – 2012** Member of Education Advice Committee, Department of Physics, Utrecht University, the Netherlands.
- 2011 – 2012** Evaluation manager of courses in the master programme, Department of Physics, Utrecht University, the Netherlands.