

Curriculum vitae Jeffrey Everts

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PERSONAL INFORMATION

Family name, First name: **Everts, Jeffrey**

Date of birth: **1 April 1988**

Nationality: **Dutch**

ORCID: [0000-0001-6289-3252](https://orcid.org/0000-0001-6289-3252)

ResearcherID: [AAQ-5632-2020](https://www.researcherid.com/rid/AAQ-5632-2020)

Google Scholar: <https://scholar.google.nl/citations?user=xYmaIeEAAAAJ&hl=en>

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• EDUCATION

- 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
Minor: Biomedical Engineering

• CURRENT POSITION

- 2022 – Present **Assistant professor (adjunct)**
Institute of Theoretical Physics, Faculty of Physics, University of Warsaw, Poland
Employed with Distinguished Fellowship of the Institute of Advanced Studies
- 2020 – Present **Postdoctoral fellow**
Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland
Research advisor: prof. dr. Robert Hołyst

• PREVIOUS POSITIONS

- 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
Supervisor: dr. Anja Palmans

• SELECTED PUBLICATIONS

For a complete list of my publications, please check my website or Google Scholar. (*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). [[link](#)]
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). [[link](#)]
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). [[link](#)]
4. J. C. Everts and M. Ravnik, *Ionically charged topological defects in nematic fluids*, Phys. Rev. X **11**, 011054 (2021) [[link](#)].
5. J. C. Everts*, B. Senyuk*, H. Mundoor, M. Ravnik and I. I. Smalyukh, *Anisotropic electrostatic screening of charged colloids in nematic solvents*, Sci. Adv. **7**, eabd0662 (2021) [[link](#)].
6. M. Ravnik and J. C. Everts, *Topological-defect-induced surface charge heterogeneities in nematic electrolytes*, Phys. Rev. Lett. **125**, 037801 (2020) [[link](#)].
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). [[link](#)]
8. J. C. Everts, S. Samin and R. van Roij, *Tuning colloid-interface interactions by salt partitioning*, Phys. Rev. Lett. **117**, 098002 (2016) [[link](#)].

• FELLOWSHIPS AND AWARDS

- 2024 *Nematic electrolytes in and out of equilibrium: Effects of anisotropy, ferroelectricity, and activity*, SONATA BIS grant, PI, National Science Centre (NCN), 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 – 2024 Individual Fellowship from the “Excellence Initiative - Research University” programme, Institute of Advanced Studies, Warsaw, Poland.
- 2022 Award for Outstanding Young Scientist from the Ministry of Education and Science, Poland - the most prestigious stipend for scientists under 35 in 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.
- 2015 Poster prize, first place, Utrecht University, the Netherlands. Awarded for the presentation of a scientific poster with exceptional content and conducted with excellent clarity.

• TEACHING ACTIVITIES

- 2023 – Present Teaching various courses at the University of Warsaw – Statistical Physics B (main lecturer), Topics in Modern Statistical Physics (main lecturer), Statistical Physics A (tutorials).
- 2011– 2014 Teaching assistant – Advanced Statistical Physics, Quantum Field Theory, Statistical Field Theory, Special Relativity, Classical Mechanics, Utrecht University, the Netherlands.
- 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.

• INSTITUTIONAL RESPONSIBILITIES

- 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 the 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.

• REVIEWING ACTIVITIES

- 2021 – Present Reviewer for various journals, e.g., Soft Matter, EPJE, Liquid Crystals, Crystals, and Polymers.