Curriculum vitae Jeffrey C. Everts

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PERSONAL INFORMATION

Date of birth: **1 April 1988**

Nationality: **Dutch**

ORCID: **0000-0001-6289-3252**
ResearcherID: **AAQ-5632-2020**
Google Scholar: **https://scholar.google.nl/citations?user=xYmaIeEAAAAJ&hl=en**

WWW: **https://www.fuw.edu.pl/~jeverts**

• 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
Minor: Biomedical Engineering

• CURRENT POSITION

2022 – Present **Assistant professor (adjunct)**
Institute of Theoretical Physics, Faculty of Physics, University of Warsaw, Poland

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** (*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 – 2025 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**

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.

- **REVIEWING ACTIVITIES**

2021 – Present Reviewer for various journals, e.g., Soft Matter, EPJE, Liquid Crystals, Crystals, and Polymers. ERC Starting Grant remote referee.