

Vatsal Sanjay

Ph.D.

Physics of Fluids Department

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Date of birth Feb. 5th, 1996

Updated on February 9, 2025

Education

2018–2022 Ph.D. (Fluid Dynamics)

Physics of Fluids Department, University of Twente

Supervisor **Prof. Dr. Detlef Lohse**

Thesis *Viscous free-surface flows*, (OA) DOI: [10.3990/1.9789036554077](https://doi.org/10.3990/1.9789036554077)

Graduated Doctor cum laude, met lof (with distinction).

Professional Experience

2022–2025 Postdoctoral researcher, *Physics of Fluids Department*

at University of Twente, Enschede, the Netherlands.

2014–2018 Research Assistant, *Two-Phase Flow & Instability Lab*

at Indian Institute of Technology Roorkee, India.

Personal Awards & Achievements

2024 J. Fluid Mech. outstanding reviewer, top 1% of the reviewers in 2023.

2024 KIVI Hoogendoorn Fluid Mechanics Award, for the best PhD thesis defended in the academic year 2022-2023 in the Netherlands.

2024 Young scientist, at the 73rd Lindau Nobel Laureate meetings, among the seven participants from the Netherlands, nominated by the Royal Netherlands Academy of Arts and Sciences (KNAW).

2022 Doctor cum laude, met lof (with distinction), University of Twente.

2018 Department Gold Medal, Indian Institute of Technology Roorkee.

Service to the Community

Co-Organization

2022–Now Physics of Fluids **weekly seminar** (about 10 international speakers over one year with average 40 participants).

May 2025 Symposium on “Bubbles & bubbly flows” (about 75 participants).

Jun 2024 Lorentz Center workshop on “(De)Constructing Complex Contact Lines” (about 25 participants).

- May 2024 35th Dutch Soft Matter meeting (about 100 participants). Received NWO Scientific Meetings and Consultations grant (Domain: Science)
- Oct 2023 [Flow for Future conference](#): 25 years of Physics of Fluids (about 200 participants).
[Referee](#)
- 2018–Now J. Fluid Mech. (72), Phys. Rev. Lett. (5), Phys. Rev. Fluids (2), Phys. Rev. E (6), among others.

Scientific Outreach

- 2020–Now Twitter account for Physics of Fluids Department, [@poftwente](#).
- 2022–Now APS-DFD peer mentoring program (as a mentor).
- 2022–Now Skype a Scientist: interact with high-school students.
- 2022–2023 Physicist To-Go (APS): interact with high-school students.
- 2021 Panel discussion on [Future of fluid dynamics](#)
- 2021 Panel discussion on [Research & higher education](#)

Supervision & Teaching

Theses Supervised

- PhD [A. Bhargava](#) (Topic: Inertial contact lines, ongoing since Jan '24),
[A. Dixit](#) (Topic: Non-Newtonian flows, ongoing since Jul '23),
J. Talukdar, starting in May 2025,
S. Jana, starting in June 2025.
- Masters [F. Hoek](#) (UT, ongoing), [J. Talukdar](#) (UT, ongoing), [V. Rosario](#) (UvA, '24),
[S. van den Heuvel](#) (UT, '23), [C. H. Maurits](#) (UvA, '23), [T. Appleford](#) (UvA, '22), [S. Meuleman](#) (UT, '20).
- Bachelors [M. Sent](#) (UT, '25), [N. Kuipers](#) (UT, '23), [J. Talukdar](#) (UT, '23), [T. Heijink](#) (UT, '21), [T. Kroeze](#) (UT, '20), [C. Verschuur](#) (UT, '20), [P. J. Dekker](#) (UT, '19), [L. Bruggink](#) (UT, '19).

Teaching Assistant

- 2018–Now Advanced Fluid Mechanics, co-lecturer, University of Twente.
- 2017–2018 Two Phase Flow and Heat Transfer, Indian Institute of Technology Roorkee.

Peer-Reviewed Publications

Please see: [Google Scholar](#) for an up-to-date list of publications.