

CURRICULUM VITAE

Name and Affiliation:

Sutapa Roy

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Postdoctoral Advisor:

Prof. Siegfried Dietrich

Director and Professor,

Max-Planck Institute for Intelligent Systems, Stuttgart, Germany,

and Institute for Theoretical Physics IV, University of Stuttgart, Germany

Education:

Secondary School Final Examination (Madhyamik Examination) (2001)

– West Bengal Board of Secondary Education, India

– 1st Class (92.9%), **18th in the State, 1st among the girls in the district.**

Higher Secondary Examination (STD-XII) (2001-2003)

– West Bengal Council of Higher Secondary Education, India

– 1st Class (89.6%), **1st among the girls in the district.**

Bachelor of Science (Physics Hons.) (2003-2006)

– Department of Physics, St. Xavier's College, Kolkata, under University of Calcutta, India

– Physics Hons., Chemistry and Mathematics as auxiliary subjects, 1st Class (64%)

Master of Science in Physics (2006-2008)

– Department of Physics, Indian Institute of Technology (IIT)-Madras, Chennai, India

– CGPA: 8.38 (Out of 10.00)

– Master's thesis supervisor: **Prof. Neelima Gupte**, IIT Madras, India

– Summer project supervisor: **Prof. Jayanta Bhattacharya**, IACS, Kolkata, India

Ph.D. in Theoretical Physics (2008-2013)

– Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore, India

– One year (2008-2009) course work CGPA: 7.0 (out of 8.0)

– Title of thesis: 'Phase transition dynamics in fluids: equilibrium to non-equilibrium'

– Thesis defence: November 2013, Degree awarded May 2014.

Supervisor: Prof. Subir K. Das

Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India

Appointments: ¹

1. **Postdoctoral researcher** at Max-Planck Institute for Intelligent Systems, Stuttgart, Germany (January 2014 -)
2. **Visiting Scientist** at Department of Mathematics and Computer Science, Freie University, Berlin, Germany (Dec 2018 - Feb 2019)

Awards:

1. **National Scholarship for securing 18th position in the State in Secondary School Final Examination**, from West Bengal Board of Secondary Education, India, 2001.
2. **Governor's Proficiency Certificate for ranking 1st among the girls in the district in Secondary School Final Examination**, from the Governor of West Bengal, India, 2001.
3. **Recognition for securing 1st position in the district among the girls in the Higher Secondary Examination**, from West Bengal Council of Higher Secondary Education, India, 2003.
4. **Shivaji Dutta Gupta Silver Medal for securing highest marks in English in the State in Higher Secondary Examination**, from West Bengal Council of Higher Secondary Education, India, 2003.
5. **IIT-Madras Merit Scholarship** throughout M.Sc, IIT-Madras, India (2006-2008).
6. JEST (all India rank 90, year 2006), JAM (2006), GATE (2008), CSIR JRF (2008), CSIR SRF (2010)
7. **Max-Planck Institute Fellowship**, Germany, 2014.
8. **Best Poster prize** at the conference "Wetting and Capillarity in Complex Systems", Germany (2019).

¹ Last updated on: 22.10.2015

Grants Obtained:

1. **Principal Investigator**, DAAD Bilateral grant on “Multiscale approximation for the collective dynamics of light-activated colloids”, Germany. (2020-2022)
2. **Co-Investigator**, German-Polish collaboration Harmonia grant “Active Brownian motion of functional microparticles in complex fluids”, Germany. (2016-2019)

Membership:

The Indian Physical Society, India (life member)

Invited Talks at International Conferences:

1. “CECAM International Conference: Statistical mechanics of interfaces: dynamic phenomena”, Berlin, Germany, 2018.
2. “3rd International Conference on Soft Materials (ICSM)”, Jaipur, India, 2018.
3. “Soft Matter at Interfaces”, Germany, 2019.
4. “COMPFLU 2019”, Bhopal, India, 2019.

Contributed presentations at Conferences / Workshops:

Talks: 17

Posters: 20 (details at the end)

Invited Talks at Institutes:

11

Teaching:

1. Teaching Assistant, Course: **Statistical Physics**, JNCASR, India, 2011.
2. Teaching Assistant, Course: **Statistical Physics**, JNCASR, India, 2012.
3. Tutor, Course: **Quantum Mechanics**, University of Stuttgart, Germany, 2018.

Student Supervision:

1. Bachelor thesis supervisor, University of Stuttgart, Germany (2018).
(<https://arxiv.org/pdf/2002.08163.pdf>)
2. Supervisor of a Master’s student, University of Stuttgart, Germany, for a project (2019).