

Dr. Sambeet Mishra

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[Google Scholar](#) | sambeetmishra.com | [/sambeet-mishra](#)



Work Experience

- 2021 - ... **RESEARCH SCIENTIST** *SINTEF, Norway*
- Multi-market planning
 - Power system planning
 - Renewable energy systems
 - Mathematical optimization
- 2020 - ... **JOINT POST-DOCTORAL RESEARCHER** *DTU, Denmark + TalTech, Estonia* [Electrical Power Engineering](#)
- Predictive maintenance
 - Virtual Power Plants
 - Mathematical optimization and Machine Learning
- 2021 - ... **R&D ADVISOR** *LaavaTech (EU H2020 Funded Startup)*
- Prescriptive analytics
 - Intelligent energy solutions for indoor farming
- 2019-2020 **DATA SCIENTIST** *Operail (Government owned freight transport company)*
- Driver Advisory Systems
 - Multi-modal transportation
 - Scheduling of crews for rail transport
 - Enterprise management software resourcing
- 2016-2018 **VISITING RESEARCHER (AFFILIATED)** *NTNU, Norway*
[Industrial Economics and Technology Management \(IØT\)](#)
[Center for Sustainable Energy Studies \(CenSES\)](#)
- Energy Economics
 - Mathematical Optimization Modelling
 - Industrial business process
- 2014-2020 **RESEARCHER** *TTU, Estonia*
- Power system planning and operations
 - Data Science and Machine Learning

Education

- 2014-2018 **DOCTORAL STUDIES**
["Models for Modern Power Distribution System Planning"](#)
- 2011-2013 **MASTER OF TECHNOLOGY** *KIIT University*
Specialization in Power & Energy system (Distinction) [Two dissertations]
- 2006-2010 **BACHELOR OF TECHNOLOGY** *KIIT University*
Electrical Engineering
Electrical Equipment control using C-programming

Academic works

- **Papers:** 20+ international scientific publications
- **Books:** 2 Springer book chapters
- *h*-index: 9 [[Google scholar](#)]
- **Supervised:** 4 Master and 2 bachelor thesis at Tal-Tech
- **Ongoing supervision:** 1 PhD, 1 master candidate co-supervision at the UiT: the arctic university of Norway
- **Memberships and societies:** IEEE senior member, IEEE Power and energy society, CIRED work-group, IEEE task force on Energy blockchain
- **teaching:** 5 years, 100 hours teaching experience on bachelor and master level on topics covering Energy economics, renewable energy systems, optimization modelling

IT skills

- **Programming environments :** Python, Julia, R, MATLAB/Octave
- **Algebraic environments :** GAMS and AIMMS
- **Data management :** Tableau and PowerBI
- **Office tools :** Microsoft office, LaTeX, OverLeaf
- **Operating systems :** Windows, Linux (Ubuntu)
- **High performance computing :** SLURM workload manager