

Dr. Sambeet Mishra

Tallinn | Estonia

[Google Scholar](#)

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[in /sambeet-mishra](#)



Work Experience

- 2020 - ... **POST-DOCTORAL RESEARCHER** *DTU, Denmark + TalTech, Estonia*
- Predictive maintenance
 - Virtual Power Plants
 - Mathematical optimization and Machine Learning
- 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

Research Projects

- 2020-... Principal investigator of Post-doctoral research - Virtual power plant in an integrated energy system
- 2019-2020 MIGRATE (H2020) - Massive Integration of Power Electronic Devices
- 2015-2019 Flex4RES - Flexibility for Variable Renewable Energy Integration
- 2014-2016 Effect of new electricity production patterns on high voltage equipment and cables isolation.
- 2015-2016 Cable networks and their effects on the function of the transmission network

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

Publications

- 13 international conference presentations
- 9 peer-reviewed international journals
- *h*-index: 7 [[Scopus Author H-index](#)]
- 10 hour(s) Professional development from IEEE Smart Grid

IT skills

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