# Dr. Sambeet **Mishra**

Tallinn | Estonia

Google Scholar | sambeetmishra.com | /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