Research areas for projects/master thesis
Responsible professor at DTU, 2nd year University:

Name	Research Area
Poul Erik Morthorst, Management Engineering, DTU	System Integration of wind power, Energy Markets, Energy Policies
Jens Nørkær Sørensen Wind Energy, DTU	Wind turbine technology, wind turbine design, Aerodynamics and Aero-acoustics, Non-linear Fluid Dynamics
Henrik Klinge Jacobsen, Management Engineering, DTU	Power markets and wind, support instruments for wind Systems integration of wind power,
Lise-Lotte Pade, Management Engineering, DTU	Integration of renewable energy, support schemes, policy instruments, power market regulation
Klaus Skytte, Management Engineering, DTU	Integration of renewable energy, support schemes, policy instruments, power market regulation
Marie Münster, Management Engineering, DTU	Energy planning and renewable energy technologies. national energy modeling (Balmorel, EnergyPLAN, STREAM) with focus on Waste-to-Energy technologies producing heat, power and transport fuels and on analyses of the role of district heating in future energy systems
Pierre Pinson Electrical Engineering, DTU	Mathematical modeling and decision-making methods in the energy sector, large scale integration of renewable energies into power systems and electricity markets, stochastic process modeling, forecasting, optimization and decision-making subject to uncertainty
Gregor Giebel Wind Energy, DTU	Short-term forecasting of wind power, large-scale integration of wind power into electricity grids, and condition monitoring for wind turbines including standardisation within the IEC.
Niels Erik Clausen, Wind Energy, DTU	Public acceptance of wind energy, System integration of wind power, wind power in cold climate
Joakim Holbøll Electrical engineering, DTU	Electrical components, lightning prevention, superconducting electrical machines, measurement techniques, generator technology
Anca D. Hansen Wind Energy, DTU	Grid integration, ancillary services, IEC standards, Integration of renewable energy

Nicolaos Antonio Cutululis Wind Energy, DTU	Control of wind power plants, HVDC systems, ancillary services, integration of large scale wind power

Co-supervisor at NTNU, 1st Year University Electric power systems

Name	Research Area
Prof. Kjetil Uhlen	Research within the fields of power system dynamics, operation and control. Interests are especially focused towards development of applications based on phasor measurements (PMUs) for monitoring and control purposes, and challenges related to large scale integration of RES in interconnected and isolated systems. Head of the Power Systems group at the department.
Prof. Magnus Korpås	Research within the fields of Energy Planning and Power Markets. Interests are especially focused towards integration of renewable energy in the energy system
Prof. Elisabetta Tedeschi	Power electronics for HVDC and HVAC transmission systems (including MMCs), offshore grids and isolated systems, wave energy converters, large scale (offshore) wind integration, control systems, etc
Prof. Lars Einar Norum	Control of Power Electronics converters and Microgrids. Renewable Energy Systems and PV applications. Topology and internal Control of Multilevel Converters.
Prof. Olav Bjarte Fosso	Hydro power scheduling, Power system analysis – methods and algorithms, Integration and coordination of intermittent energy sources
Associate professor Vijay Vadlamudi	Reliability and Risk – based Power System Operation and Planning Practices, Probabilistic Methods Applied to Power System Analysis, Reliability – based Appraisal of Smart Grid Challenges and Realisation.
Associate professor Hossein Farahmand	Power system stability and control, Offshore wind energy integration, power system dynamic modeling and analysis, etc.
Associate professor Trond Toftevaag	Power system analysis, interconnected systems, isolated systems, electrical machines, offshore power systems, wind power integration, laboratory work. Most of the time used in teaching
Adjunct professor Gerard Doorman	Power market design, European network codes, power system scheduling, cross-border balancing of electricity, effect of large scale wind power on system balancing, pumped hydropower storage, etc.
Adjunct professor Olimpo Anaya-Lara	Power system stability and control, Offshore wind energy integration, power system dynamic modeling and analysis, etc.
Adjunct prof. Kjell Sand	Transmission and distribution system analysis, quality of supply in power systems (reliability, power quality), Smart-grids, microgrids, technical- economical planning of power system, power system

	standardization, economical regulation and benchmarking of grid monopolies, powert system ICT. Project manager National Smart Grid lab, Scientfic manager The Norwegian Smartgrid Centre, Scientific Manager Centre for Intelligent Electricity Distribution - CINELDI
Adjunct prof. Gerd Kjølle	Power system reliability analysis, security of electricity supply, distribution system planning, fault statistics, interruption costs. Centre Director at Centre for Intelligent Electricity Distribution - CINELDI.