MASTER THESES IN THERMODYNAMIC & PROCESS SYSTEMS

Contents

Next Generation of Energy and Power

Environmental considerations and renewable energy sources are changing the landscape for production, distribution, and storage of energy. Modeling, simulation and optimization are crucial tools for this transition to sustainable solutions, which Modelon contributes to through tool development and services.

Motivated and skilled students are therefore invited to submit applications for master thesis projects in this area, utilizing modeling to develop the energy and power systems of tomorrow.

Possible topics include but are not limited to:

- Energy storage
- Fuel cell systems
- Solar power
- District heating
- Combustion
- Steam cycles

Contact: Per-Ola Larsson, Modelon AB

Theme of Choice

Modelon is constantly looking for motivated and skilled master thesis students with strong focus on modeling and simulation of physical systems as well as good knowledge in mathematics and thermodynamics. A suitable theme can always be discussed and agreed upon.

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Modelon has well established academic cooperation with several departments at Lund Institute of Technology, LTH. Further, Modelon works together with other universities in and outside of Sweden.