

Postdoctoral position in urban energy systems modelling

Information about the department

The Department of Energy and Environment excels in research and education related to energy, environment and sustainable development ranging from a global perspective to industrial, building and product issues. The focus is on experimental and theoretical research on energy technology as well as on development, use and evaluation of methods and tools for analysis of technical systems.

In total around 200 persons are active at the five divisions of the department.

Information about the division

The division of Energy Technology conducts research and offers education in energy technology and energy systems. Our research focuses on energy transformation, sustainable energy systems, and energy system technology. Our work is characterised by the combination of systems-level projects, with in-depth research on energy transformation processes, and our participation in a great number of national and international projects.

In the energy systems group we carry out energy systems research covering various systems scales. Most of the research is based on modelling.

Information about the project

The position concerns modelling of urban energy systems with a focus on heating systems and mixes of optimal heating and energy efficiency solutions from a climate perspective. A key issue is assessments of central versus decentral options. The research should be quantitative and energy systems modelling is foreseen to be a key tool.

The position is funded by a project grant from the Swedish Energy Agency.

Major responsibilities

Your major responsibility as postdoc is to perform your own research in a research group. The position includes supervising master's and/or PhD students to a certain extent. Another important aspect involves collaboration within academia and with society at large. The position is meritorious for future research duties within academia as well as industry/the public sector.

Position summary

Full-time temporary employment. The position is limited to a maximum of two years (1+1).

Qualifications

To qualify for the position of postdoc, you must have a doctoral degree in a relevant field; the degree should generally not be older than three years. You are expected to be somewhat accustomed to teaching, and to demonstrate good potential within research and education.

The position requires sound verbal and written communication skills in English.

For questions, please contact:

Professor Erik Ahlgren

E-mail: erik.ahlgren@chalmers.se

Phone: +46 31 772 5247

For further information and how to apply:

<http://www.chalmers.se/en/about-chalmers/vacancies/?rmpage=job&rmjob=3243>

Postdoctoral position in biogas modelling

Information about the department

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Information about the project

The position concerns green growth in a bilateral context. The research should focus on barriers and potential for biogas technology export from Sweden to India and the role of the Swedish home market and its policy environment for technology development. The research should be quantitative and energy systems modelling is foreseen to be a key tool.

The position is funded entirely by a project grant from the Swedish Energy Agency for a postdoc researcher.

Major responsibilities

Your major responsibility as postdoc is to perform your own research in a research group. The position includes supervising of master's and/or PhD students to a certain extent. Another important aspect involves collaboration within academia and with society at large. The position is meritorious for future research duties within academia as well as industry/the public sector.

Position summary

Full-time temporary employment. The position is limited to a maximum of two years (1+1).

Qualifications

PhD in Energy systems analysis and modelling

To qualify for the position of postdoc, you must have a doctoral degree in a relevant field; the degree should generally not be older than three years. You are expected to be somewhat accustomed to teaching, and to demonstrate good potential within research and education.

The position requires sound verbal and written communication skills in English.

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