



## PhD positions in Heterogeneous Catalysis

- Would you like to have the entire world as your workplace?

Qualified students are invited to send their application for open PhD positions at Haldor Topsøe A/S. The successful candidates will be able to start their PhD-project in a new, strong, innovative, and collaborative project between Haldor Topsøe A/S and the Interdisciplinary Nanoscience center (INANO) at Aarhus University called "Clean-Air-Technologies by development of new catalysts".

### PhD project in state-of-the-art Transmission Electron Microscopy

- focus on in situ Transmission Electron Microscopy studies of industrial-style catalyst in the laboratories at Haldor Topsøe A/S
- additional activities aimed at single-atom imaging together with international leading collaborators at the Lawrence Berkeley National Laboratories (US) and Daresbury SuperSTEM (UK)

### PhD project in high-performance computing

- focus on studies of catalytic reactions based on Density Functional Theory calculation in the laboratories at Haldor Topsøe A/S
- additional activities include extensive interactions with experimental partners and with modeling collaborators at Aarhus University and University of Wisconsin-Madison

### Qualifications

Ideally, you should have a recent master's degree (completed within the last 3 years) or equivalent qualifications in physics, chemistry, nanotechnology, or materials science.

### Further information

If you would like to be part of a team of skilled and dynamic colleagues in an informal organization, please submit your application in English and enclose a copy of your exam certificates with grades and any references.

*Haldor Topsøe is market leading in the field of heterogeneous catalysis. We supply catalysts and technologies for the refining industry, for cleaning power industry flue gases and for sustainable energy processes. In 2011 the turnover totaled 600 million Euro generated by our 2,300 employees around the world.*

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|------------------------------|---|
| <b>Application deadline:</b> | May 1, 2013   |
| <b>Expected start date:</b>  | May, 2013   |
| <b>Location:</b>             | Lyngby (near Copenhagen, Denmark)   |
| <b>Further information:</b>  | Principal Research Scientist, Analytical & Characterization, Poul Georg Moses<br>Mobile: +45 2275 4015<br>Senior Research Scientist, Microscopy, Stig Helveg<br>Mobile: +45 2275 4823 |
| <b>Home page:</b>            | <a href="http://www.topsoe.com">http://www.topsoe.com</a>   |

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