



Department of Materials Science and Technology  
Division of Micro-Modelling and Experimental Kinetics

## Doctoral position in ladle heat management

The Micro-Modelling and Experimental Kinetics Group at the Department of Materials Science and Engineering, KTH Royal Institute of Technology is seeking applicants for a four-year doctoral position starting in the before summer of 2014.

The Royal Institute of Technology (KTH) is the largest and oldest technical research university in Sweden, and is located near the city center of Stockholm. The Materials Science and Engineering department at KTH has a long tradition of high-temperature experimental research.

The doctoral candidate will conduct experimental studies reinforced by CFD calculations in the area of ladle heat management. The emphasis of the work will be in gathering fundamental thermal physical data and understanding of the heat transfer in the multilayer linings in steelmaking ladles, in order to optimize the process.

We will consider candidates with various backgrounds, including chemical engineering, chemistry, materials science, metallurgical engineering, mechanical engineering, industrial engineering, process engineering and physics. The working language is English. This is a full-time position with an internationally competitive salary.

Informal inquiries about this position are welcome, and may be directed to Prof. Du Sichen ([sichen@kth.se](mailto:sichen@kth.se)). Applicants should send via e-mail marked "PhD Position Ladle Heat Management", including a cover letter outlining their qualifications, and a curriculum vitae. The deadline for application is **April 31, 2014**.

For more information about KTH, our department, and the research group see the websites:

<http://www.kth.se/itm/inst/mse/organisation/avdelning/mikromodellering/>

<https://www.KTH.se>