



Preliminary information. See [KTH's Job Vacancies Website](#) for any official announcement, which will also provide a link to the application portal, and other relevant information.

Researcher in Machine Learning Methodology

The researcher will work within the Hultgren Laboratory to develop machine-learning methods that enhance materials design and process understanding. The role involves materials processing and characterization as well as creating physics-informed data-driven models for analysis and prediction of microstructures and properties of steel.

The researcher will collaborate with external partners in an Indo-Swedish project supported by Vinnova. The position contributes to strengthening the department's capabilities in AI-supported materials development.

Educational requirements

(1) Completed graduate degree. (2) PhD in relevant field.

Merits

PhD in materials science or similar with a focus on integrated computational and experimental approach.

Requirements

Research experience in experimental and computational materials research. (2) Track record of high impact journal publications. (3) The ability to express yourself very well in English, spoken and written, as this will be required in day-to-day work. (4) Strong collaboration skills.

Merits

1) Experience with research into steels. (2) Experience in machine learning, (3) Experience in ICME.

Other information: 1 year

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