

# CURRICULUM VITAE

## PERSONAL DETAILS

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**Name:** Rongzhen Chen  
**Gender:** Male  
**Date of Birth:** August 04, 1983  
**Address:** Brinellvägen 23, 100 44 Stockholm, Sweden  
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## EDUCATION

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**KTH Royal Institute of Technology, Sweden** Sept. 2009 – Sept. 2014 (expected)  
Department of Materials Science and Engineering  
Doctor of Philosophy in Multiscale Materials Modelling.

Projects: Implementation of Algorithm within Density Functional Theory (DFT) and DFT-based Simulations in Semiconductor.

Courses: Solid State Physics, Nanoscale Materials, Applied Thermodynamics.

Supervisors: Prof. Clas Persson and Prof. Börje Johansson.

**Northeastern University, P. R. China** Sept. 2008 – July 2009  
College of Information Science and Engineering  
Research Assistant in Control Theory and Control Engineering.

**Northeastern University, P. R. China** Sept. 2006 – July 2008  
College of Information Science and Engineering  
Master of Science in Measuring and Testing Technologies and Instruments.

Courses: Java, Matrix Analysis, Equation of Mathematical Physics.

Thesis: ANSYS-based Simulations in the Process of Continuous Casting.

**Shenyang University of Technology, P. R. China** Sept. 2002 – July 2006  
College of Science  
Bachelor of Science in Information and Computational Science.

Courses: C language, Data Structure, Numerical Analysis, Physics, Software Engineering.

Thesis: Qt-based application: Text Editor.

## COMPUTER SKILLS

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| <b>Programming Languages</b> | Fortran, C Language, Java, Python, Bash, SQL                                |
| <b>Softwares</b>             | Thermo-Calc, Matlab, Eclipse, Github, ANSYS, TotalView, Latex               |
| <b>Operating Systems</b>     | Windows, Linux, Mac   |
| <b>Others</b>                | Lapack and Blas Libraries, High Performance Computing, Parallel Programming |

## LANGUAGES

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**Chinese** (Mother tongue), **English** (Fluent), **Swedish** (Beginner, still learning)

## RESEARCH VISIT

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Developers Week for Exciting code at the Humboldt Universität zu Berlin, (02 Dec. – 06 Dec. 2013)

The Group of Prof. Clas Persson at the University of Oslo in Norway (Apr. – Aug. 2012)

The Group of Prof. Claudia Ambrosch-Draxl at the University of Leoben in Austria (Oct. – Dec. 2011)

Introduction to High-Performance Computing, Sweden PDC-Summer School (2011)

Introduction to High Performance Computing, Finland CSC-Summer School (2011)

## ACTIVITIES

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**PhD Student Representative at the Division** (Oct. 2011 – Present).

The duty is to discuss all the issues regarding PhD students' interests.

**Class President** (Sept. 2002 – July 2006).

The duty is to resolve problems for students and report to the department, as well as leading class cabinet meetings and organizing activities and events.

## AWARDS

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Liaoning Provincial triple A Outstanding Student (2006)

Liaoning Provincial Outstanding class cadre (2006)

## REFERENCES

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**Prof. Börje Johansson**

Applied Materials Physics  
Department of Materials Science and Engineering  
KTH Royal Institute of Technology  
SE – 100 44 Stockholm, Sweden  
Phone: +46 (0) 70 417 54 52  
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**Prof. Clas Persson**

Multiscale Materials Modelling  
Department of Materials Science and Engineering  
KTH Royal Institute of Technology  
SE – 100 44 Stockholm, Sweden  
– and –  
Department of Physics  
University of Oslo  
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**Prof. Malin Selleby**

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**Dr. Huahai Mao**

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