

Shuai Wei



Date of birth: 13.11.1983
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Interested area:

Glass transition, Bulk metallic glasses, Thermodynamics and kinetics of metastable state materials, alloys...

Educations:

(1) Aug. 2009 -present, **PhD candidate, Saarland University, Germany**

Metallic Materials Division of Materials Science and Engineering Department, Saarland University, Saarbrücken, Germany

(2) Oct.2007-July. 2009, **Master Program, Saarland University, Germany:**

Advanced Materials Science and Engineering (AMASE) Master Program (financed by European Commission), Department of Materials Science and Engineering, Saarland University, Saarbrücken, Germany

Master thesis Title: The thermodynamics and kinetics of the quasi-glass transition of crystalline Fe₅₀Co₅₀ during structural ordering

(3) Sep. 2008-Dec. 2008, **Luleå University of Technology, Sweden:**

Exchange student, Project course of Master Program in Luleå University of Technology, Sweden.

(4) Sep.2003-Jul.2007, **Bachelor Degree, East China Normal University, Shanghai, China:**

Bachelor Thesis Title: Preparation and Study on Field Emission Properties of Patterned Carbon Nanotubes Cold Cathode.

(5) Oct.2005-Jul.2006, **Bielefeld University, Germany:**

Exchange Student in Bachelor program, Physics Department, Bielefeld University, Bielefeld, Germany

Publications:

Wei, S., Gallino, I., Busch, R. & Angell, C.A. Glass transition with decreasing correlation length during cooling of Fe₅₀Co₅₀ superlattice and strong liquids. *Nature Physics* Published online 28 November 2010, doi:10.1038/nphys1823

Prize:

- 10.2010 Received the award from Kühborth Stiftung for the excellent graduation grades. (Preis der Kühborth-Stiftung des Jahres 2010 im Rahmen des Programms zur Förderung des wissenschaftlichen Nachwuchses in Anerkennung für den nach 4 Fachsemestern mit hervorragenden Noten erreichten Studienabschluss.)

Conference and Presentations:

- 07. 2010 **ISMANAM2010**, (17th International Symposium on Metastable, Amorphous and Nanostructured Materials), **Zurich, Switzerland**
Presentation: Thermodynamics and Kinetics of the Glass Transition during Cooling of Fe₅₀Co₅₀ Superlattice with Respect to Structural Ordering and its Relation to Strong Liquids
- 03. 2010 **Combined DPG** (Deutsche Physikalische Gesellschaft) **Spring Meeting of the Section Condensed Matter (SKM), Regensburg, Germany**
Presentation: Glass transition during cooling of Fe₅₀Co₅₀ superlattice and strong liquids
- 06.2009, **Summer School: Holbæk, Denmark**
Topic: Aging of slowly relaxing systems
Presentation: glass transition in crystalline FeCo during the structural ordering

Research experience:

Skills:

Differential Scanning Calorimeter (DSC), Differential Thermal Analysis(DTA), Arc Melter, Scanning Electron Microscopy, AFM, XPS, X-ray diffraction, Raman spectroscopy...

Languages

English: fluent
German: very good
Chinese: mother language

Internship

Oct. 2006~Feb. 2007 **Polar Machinery Shanghai Co. Ltd. Shanghai, Assistant Intern**

- Documents work and German translation
- Organize business activities such as company celebrations, arrange meetings and interviews.

Activities

From 05.2009, EUSMAT (AMASE, EEIGM, ATLANTIS) Alumni Association, Saarbrücken, Germany,

05. 2004, Organizing Writing Workshop for children from poor families, in Shanghai, as volunteer project leader