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NEW MEMBERS OF THE EDITORIAL BOARD



Education 2001.09~2005.06

2005.09~2007.06 2007.08 2007.09~2010.09

2009.05~2010.05

Professional Career

2011.01~2012.12

2012.05

2012.09~2012.11

2013.01~until now 2014.02~2014.03 2014.07~2014.08

Awards & Honors 2007

Prof. Dr Lijun Zhang

State Key Laboratory of Powder Metallurgy Central South University 932 Southern Lushan Road Changsha 410083, Hunan China

Tel.: +86-731-88877963 Fax: +86-731-88710855 E-mail: xueyun168@gmail.com; lijun.zhang@csu.edu.cn

Born on 23.08.1983 in Jiangxi province, China Nationality: Chinese

Bachelor studies at Central South University, China Bachelor Degree of Metallic Materials Engineering Master studies at Central South University, China Visiting Student, Illinois Institute of Technology, USA Ph. D Studies at Central South University, China Ph. D Degree of Materials Science Joint Ph. D studies at Ruhr-Universität Bochum, Germany	
 Humboldt Research Fellowship, Ruhr-Universität Bochum, Germany Visiting Researcher, Technical University of Denmark, Denmark Europe Research Stay supported by Aelxander von Humboldt Foundation, Thermo-Calc Software AB, Sweden Full Professor, Central South University, China Invited Researcher, Thermo-Calc Software AB, Sweden Visiting Researcher Ruhr-Universität Bochum Germany 	

CALPHAD Scholarship Award, USA

2007	Stiftelse för Tillömpad Thermodynamic Grant, Sweden
2008	The Best Paper Award, The Sino-Swedish Symposium on Materials
	Thermodynamics and Applications
2010	First Prize of the Natural Science Awards in Hunan Province, China
2011~2012	Humboldt Research Fellowship, Alexander von Humboldt Foundation,
	Germany
2013~2017	Shenghua Distinguished Professor, Central South University, China
2013	The Outstanding Ph. D Thesis Award by Hunan Province, China
2014	The Best Poster Award, CALPHADXLIII
2014	Excellent review (top 20%) for Metallurgical and Materials Transactions

Professional Involvements

Reviewer for 13 journals, including Scientific Reports, Scripta Materialia, Intermetallics, Metallurgical and Materials Transactions A, etc.

Reviewer for funding applications from National Natural Science Foundation of China (NSFC)

Scientific Interests

Phase equilibria and thermodynamic properties of alloys Diffusion and interfacial reactions in alloys CALPHAD thermodynamic and atomic mobility databases, and their applications Phase transition theory and development of new phase-field models Quantitative phase-field simulation using software and home-made codes

Scientific Output

110 scientific publications in referred journals, such as Acta Mater., Scripta Mater.,
Philosophical Magazine, Metall. Mater. Trans. A, CALPHAD, and so on
7 publications in books (i.e. Landolt-Boernstein) and conference proceedings
18 conference contributions (including invited / oral / poster presentations)
currently involved in 11 research projects from China and Germany; presided over 7 of them

List of 5 Most Important Publications

- Lijun Zhang, Matthias Stratmann, Yong Du, Bo Sundman, Ingo Steinbach, "Incorporating the CALPHAD sublattice approach of ordering into the phase-field model with finite interface dissipation", Acta Mater. (2015) in press. doi: 10.1016/j.actamat.2014.11.037
- 2) Lijun Zhang, Ingo Steinbach, "Phase-field model with finite interface dissipation: Extension to multi-component multi-phase alloys", Acta Mater. 60 (2012) 2702-2710
- Lijun Zhang, Yong Du, Ingo Steinbach, Qing Chen, Baiyun Huang, "Diffusivities of an Al-Fe-Ni melt and their effects on the microstructure during solidification", Acta Mater. 58 (2010) 3664-3675.
- 4) Lijun Zhang, Jiong Wang, Yong Du, Rongxiang Hu, Philip Nash, Xiao-Gang Lu, Chao Jiang, "Thermodynamic properties of the Al-Fe-Ni system acquired via a hybrid approach of calorimetry, first-principles and CALPHAD", Acta Mater. 57 (2009) 5324-5341.
- 5) Lijun Zhang, Yong Du, Yifang Ouyang, Honghui Xu, Xiaogang Lu, Yajun Liu, Yi Kong, Jiong Wang, "Atomic mobilities, diffusivities and simulation of diffusion growth in the Co–Si system", Acta Mater. 56 (2008) 3940-3950.