



Application Form for WFC Scientific Committee

Personal Info.

Name: Menghuai Wu

Title: Prof. Dr.

Affiliation: University of Leoben, Austria



Research Interest

- Modeling and simulation of solidification processes;
- Computational metallurgy;
- Fundamentals of solidification;
- Simulation of different casting processes such steel ingot, continuous and semi-continuous castings, shape castings;
- CFD: computational fluid dynamics.

Main Achievements (<200 words)

Prof. Dr. -Ing Menghuai Wu, University of Leoben, has the research background of numerical modeling and simulation of solidification and relevant metallurgical and casting processes. He did his Master study at Northwestern Polytechnical University in China, Ph.D at RWTH Aachen in Germany, and Habilitation at the University of Leoben, and became the head of Christian Doppler Laboratory for “Advanced Process Simulation of Solidification and Melting” at the same university in 2010. He has coordinated/led/participated many national, EU and international research projects, and collaborated with the steel industries (Primetals, Voestalpine, INTECO, RHI Magnesita, etc.) and got their supports. The multiphase solidification models as developed by him and colleagues have been broadly applied to CC, Semi-CC, ingot, ESR/VAR, etc. In the year 2010, he is honored by Austrian government (Styria) for the “Research Prize for Simulation and Modeling, 1st class”, which is only awarded to one person each year. He authored and co-authored 380 papers with h-index 33.