



## Registration Form for WFC Scientific Committee

### Personal Info.

Name: Hai Hao

Title: Professor

Affiliation: Dalian University of Technology



### Research Interest

1. Casting and solidification control of light metals;
2. Numerical simulation of casting technology and heat treatment;
3. Design and preparation of porous materials;
4. Materials genome initiative.

### Main Achievements (<200 words)

1. Numerical simulation and optimization of casting technology and heat treatment (the Project of the National Natural Science Foundation of China etc.);
2. Design and preparation of porous materials (the National Natural Science Foundation of China);
3. Grain refinement of Magnesium alloys (the National High-tech Research and Development Program of China);
4. Investigation of heat flux evolution in the slab casting mold (Senior Visiting Researcher Project);
5. Optimization of continuous casting of thin slab ;
6. Investigation of heat and stress evolution in the direct chill cast magnesium ingot (Post-Doctoral Research Project);
7. Optimization of direct chill casting technology of AZ31 magnesium alloys (Post-Doctoral Research Project);
8. Integrated computing materials engineering of magnesium alloys (the National Key Research and Development Program of China);
9. Heat treatment of bearing ring of heavy load trains (the Major Special Project of Science & Technology Innovation of Liaoning Province) .