



Registration Form for WFC Youth Working Committee

Personal Info.

Name: Xuewei Yan

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Research Interest

1. Modeling and numerical simulation of solidification process
2. Laser additive manufacturing with metallic material and its application

Main Achievements (<200 words)

Dr. Xuewei Yan received his Ph.D. degree at Tsinghua University, and joined Zhengzhou University of Aeronautics in May 2018. His research is mainly focused on modeling and simulation of solidification and additive manufacturing, particularly on multi-scale and multi-physics numerical simulation of directional solidification, and he has developed a macro-micro coupled model to understand the process-structure-defect relationships and guide the manufacture of turbine blades. In the past decade, his research has the key practical significance to reform conventional casting techniques to digitized manufacturing. To date, dozens of academic papers have been published, and he has awarded the Frontrunner 5000 top articles in outstanding S&T journals of China and excellent thesis first prize of Henan province office of education for two papers. In addition, he has been approved for several research projects, such as the National Natural Science Foundation of China, Science and Technology Development Program of Henan Province and Program for Science and Technology Innovation Talents in Universities of Henan Province, etc. Currently, he contributes to the development of the foundry industry as the youth editorial board members for several academic journals, such as China Foundry, Special-cast and Non-ferrous Alloys, and Journal of Aeronautical Materials, etc.

Secretariat of the 75th World Foundry Congress

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