



Registration Form for WFC Youth Working Committee

Personal Info.

Name: Hongze Fang

Title: Ph.D. supervisor/ Top Associate Professor/Deputy Director of
Materials Engineering Department

Affiliation: School of Materials Science and Engineering,
Harbin University of Technology



Research Interest

1. Microstructure evolution and mechanical properties of TiAl based composite materials
2. Theory of Ultrasonic Assisted Preparation of TiAl Based Composite Materials
3. Directional Solidification and Directional Heat Treatment of TiAl Based Composite Materials
4. High throughput preparation and theory of ultra-high strength and toughness titanium alloy

Main Achievements (<200 words)

1. Presided over 13 programs, including Young Scientists Fund of the National Natural Science Foundation of China, Special Postdoctoral Fund of China, Postdoctoral Fund of Heilongjiang Province, and State Key Laboratory Fund.
2. Published 69 SCI papers in important domestic and international journals such as Scripta Materials, Applied Materials Today, Research, Journal of Materials Science&Technology, Materials and Design, Nanoscale, etc.
3. Apply for and authorize more than 30 national invention patents.
4. Obtained the 7th China Association for Science and Technology Youth Talent Promotion Project.
5. In 2020, won the first prize for scientific and technological progress in Heilongjiang Province.