



Registration Form for WFC Scientific Committee

Personal Info.

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Title: Prof.

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Research Interest

- 1) **Equipment:** high-efficiency electromagnetic melting equipment, nonconventional casting equipment, directional solidification equipment, X-ray in-situ observation melting equipment, etc.
- 2) **Process:** ultra-high temperature melting, casting, directional solidification, centrifugal casting, rapid solidification, ultrasonic assisted, solid-state hydrogenation, vacuum heat treatment, coating, etc.
- 3) **Materials:** Titanium alloy, Titanium-Aluminum based alloy, high-temperature alloy, Niobium-Silicon based alloy, high entropy alloy, Oxide, steel; Hydrogen storage materials, solar grade Silicon, etc.
- 4) **Theory:** solidification, strength of metal materials, etc.
- 5) **Numerical simulation:** electromagnetic field, temperature field, flow field, casting process

Main Achievements (<200 words)

1. In 2020, the first prize for Scientific and Technology Progress Award in Heilongjiang Province (1st);
2. In 2019, national high-level talents;
3. In 2018, recipient of National Science Fund for Distinguished Young Scholars;
3. In 2017, the first prize of Heilongjiang Provincial Science and Technology Award (Technological Invention) (1st);
4. In 2017, Natural Science Second Award of Educational Ministry (2nd);
5. In 2016, Outstanding Young Talent Award of China Foundry Industry;
6. In 2012, New Century Excellent Talents of Educational Ministry;
7. In 2011, the second prize of Heilongjiang Provincial Science and Technology Award (Natural Science) (5th);
8. In 2011, the second prize of Heilongjiang Provincial Science and Technology Award (Technological Invention) (3rd);
9. In 2008, UK/China Outstanding Young Scholars;
10. In 2006, the National Paper Gold Award for Foundry Specialty of the Chinese Society of Mechanical Engineering