



The 75th World Foundry Congress

Developing Foundry

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Registration Form for WFC Scientific Committee

Personal Info.

Name: Kou Hongchao

Title: Professor

Affiliation: Northwestern Polytechnical University



Research Interest

Titanium alloys and their investment casting technology

Main Achievements (<200 words)

Kou and his teams revealed the formation mechanism of microsegregation during the solidification process, and developed some casting technologies and equipments, such as cold crucible suspension melting-anti gravity casting, induction melting-mould heating/controlled cooling casting, to suppress segregation and cracking and improve microstructure uniformity of near alpha titanium alloy and TiAl alloy castings.