



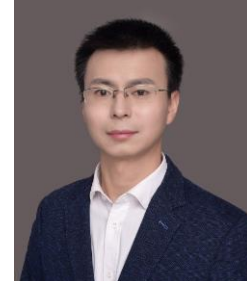
Registration Form for WFC Youth Working Committee

Personal Info.

Name: Ji Xiaoyuan

Title: Associate Professor, Doctoral Advisor, Assistant Dean

Affiliation: State Key Laboratory of Materials Processing and Die and Mould Technology, School of Materials Science and Engineering, Huazhong University of Science and Technology, Wuhan, China



Research Interest

foundry digitalization, big data, workshop scheduling, defect identification, laser additive

Main Achievements (<200 words)

Presided over more than 10 projects of National Natural Science Foundation of China (face, youth, and major project sub-projects), National Defense Major (XX project), National Key R&D sub-projects, and national defense lateral and general lateral cooperation projects. Published more than 50 papers in journals such as JMPT, AOSC, IS, KBS, etc., and authorized more than 20 invention patents and soft writings, and published one book. Developed a series of systems, such as ERP/MES/PDM/SCADA/APS, which are specialized for the foundry industry in China, and are successfully applied in the fields of aerospace, military industry, railroad and automobile, nuclear power and petroleum, engineering machinery, and architectural hardware. Developed a professional casting-oriented InteCAST-FDI - Defect Intelligent Identification Series System, which can realize the aerospace and other industries of high-performance alloy complex castings ray flaw detection defects "assessed accurately, assessed in detail, assessed steadily, assessed quickly," in order to serve the national defense of the reliability of major equipment research and development. Won 6 first prizes of provincial and ministerial science and technology awards (one of them is ranked No. 1), and won "the most beautiful scientific and technological worker" of China foundry industry in 2022.