



Application Form for WFC Scientific Committee

Personal Info.

Name: Dong Hongbiao

Title: Prof.

Affiliation: University of Leicester



Research Interest

Internationally renowned for his work in metal processing, manufacturing informatics, solidification and its application in casting, welding and additive manufacturing - or '3D printing' – of metals and alloys. Professor of Materials Engineering at the University of Leicester (www.le.ac.uk/eg/hd38), Research Chair of Royal Academic Engineering in Innovative Metal Processing, Director of NISCO UK Research Centre, Science Director of TWI-UOL Materials Innovation Centre (MaIC) and the Science Director of EPSRC Centre for Doctoral Training in Innovative Metal Processing (impact.ac.uk). He is a widely-experienced academic and research leader and an expert in solidification and its application in casting, welding and additive manufacturing of metals and alloys. a recipient of the Metrology for World Class Manufacturing award and a Royal Society Industry Fellow at Rolls-Royce Precision Casting Facility. He successfully led a major EU-FP7 project on modelling of metal processing, has collaborated extensively with industry, working with Rolls-Royce, Tata Steel, TWI Ltd, NPL and Doncasters. Current projects focus on single crystal casting, additive manufacturing of extreme high temperature materials, such as intermetallic materials, welding and heat treatment of deep sea gas and oil transportation system.