

Prof. Dianzhong Li

Title of the Talk: Homogenized Steels by Directly Forging Solidifying Ingots

Professor **Dianzhong Li**, was born in May 1966 in Shenyang. He is the head of Materials Process Modelling Division of Shenyang National Laboratory for Materials Science (SYNL), Institute of Metal Research (IMR), Chinese Academy of Sciences (CAS). He joined CAS by the “Hundred Talented Program” in 1998. Now his research interests focus on the fabrication of the heavy castings and forgings and the high-quality special steels through controlling the macroscopic defects and micro-structures, the modeling of the nucleation and growth of solidification structure and solid phase transformation in steels during deformation, the in-situ observation and modeling of macro-segregation etc. He has been awarded as Second Prize for National Science and Technology Progress Awards (2012), Outstanding Science and Technology Achievement Prize of Chinese Academy of Sciences (2009) and Prize for Scientific and Technological Innovation by Ho Leung Ho Lee Foundation (2007). More than 100 SCI papers have been published on top journals such as Nature Communications, Acta Materialia. More than 60 invention patents have been authorized and application.

