## Heung Nam Han (Korea): (Bio)

Professor Heung Nam Han earned his Ph.D. in Metallurgical Engineering from Seoul National University (SNU) in 1995 and joined the University of Oxford in 1996 as a postdoctoral researcher, where he worked on the consolidation of vacuum plasma-sprayed metal matrix monotapes. From 1997 to 2002, he contributed to microstructure modeling during steel processing at the POSCO Research Laboratory, and from 2003 to 2004, he worked on TRIP-assisted multiphase steels at the Korea Institute of Materials Science (KIMS). Since 2004, Professor Han has been a faculty member in the Department of Materials Science and Engineering at SNU. He directed the Innovative Process Design Center for Strategic Structural Materials (ERC program, USD 12M over eight years) and currently serves as Director of the Steel Research Center at the Research Institute of Advanced Materials (RIAM). He has also served as Head of the Department (2023–2025) and as President of the Korean Society for Technology of Plastics (KSTP, 2024). His awards include the Young Scientist Award (2000), the Yoon Dong Suk Award (2014), the Suk Cheon Academic Achievement Award (2017), the POSCO Academic Achievement Award (2025) from the Korean Institute of Metals and Materials (KIMM), the Yo Suk Award from KSTP (2020), and the Henry Marion Howe Medal from ASM International (2016). Professor Han's research focuses on transformation-induced plasticity, microstructure-based and crystal plasticity modeling, nano-indentation, neural network-based indentation plastometry, and electroplastic and electric current–induced phenomena.