



- Full name: **En-Hou Han**
- Affiliation: **Institute of Corrosion Science and Technology, China**
- Title/Position within the institution: **Professor, Dr., President**
- Brief biographical introduction

Dr. En-Hou Han is the President of Institute of Corrosion Science and Technology (ICoST), professor of South China University of Technology (SCUT).

Prof. Han's research interests include (1) Localized corrosion mechanism understanding and characterization, especially the interaction of mechanical and chemical effects, such as corrosion fatigue, stress corrosion cracking and hydrogen embrittlement for various materials in harsh environments; (2) Corrosion prevention techniques such as nanocomposite coatings, plating, inhibitors & cathodic protection; (3) Service lifetime prediction and failure analysis for engineering structure and components by big data modelling, digital twins & artificial intelligence (AI); (4) R & D of corrosion resistant alloys (including HEAs) in severe industry environment including new energy industries, energy storage and sea water.

Prof. Han is the author of over 700 peer reviewed publications, 200+ plenary/ keynote/ invited lectures, and hold 142 patents. His papers were cited more than 40,000 times. He received many awards and honors including the Whitney Award from NACE International (2016), Ho-Leung-Ho-Lee Technology Science Award (2012), Ryukiti Hasiguti Foundation Prize (2010), Member of Chinese Academy of Engineering (2023), Fellow of NACE International (2008), Fellow of Asia Pacific Academy of Materials (2003).

Prof. Han has leadership roles in the corrosion and materials communities, currently he is President of World Corrosion Organization (WCO), President of Corrosion Control Alliance in China (CCAC), President of Asia Pacific Materials Academy (APAM), Executive Board Member of Chinese Materials Research Society (C-MRS), Board of Directors of International Cooperation Group – Environmental Assisted Cracking (ICG-EAC).