

Hui Gu, Doctor of Sciences

Professor of Materials' Microstructures, Department of Electric Materials and Information Materials, School of Materials Science and Engineering, Shanghai University; joint assignment at Center of Materials Processing and Characterization Technology, Materials Genome Institute, Shanghai University. He received science degrees from Peking University, taken postdoc positions in University of South-Paris, Max-Planck-Institute of Metal Research and Japan Science and Technology Corporation, before joining Chinese Academy of Sciences at Shanghai Institute of Ceramics as group leader until 2014. He had started a career to study the microstructures and interfaces of inorganic materials from high- T_c superconductors, expanded to engineering ceramics in 90s, and to functional ceramics and thermoelectrics this century. He specializes in analytical TEM especially the spatially-resolved EDS and EELS for materials characterization, and recently shifts to integrated SEM study of ceramic microstructures. His research focuses on mesoscopic structural inhomogeneities and hierarchical phase-microstructures-interface relationship of advanced materials, especially on developing quantitative characterization of microstructures.