## Research and production of NdFeB magnets associated with Zhejiang University

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**Abstract:** In the talk, the present research and production status of NdFeB magnets in China is outlined. The main research on NdFeB magnets at Zhejiang University is presented. The microstructural restructuring of grain boundaries of sintered NdFeB is focused. Through microstructural restructuring, the corrosion resistance of sintered NdFeB can be effectively improved, and NdFeB magnets with high coercivity and low heavy RE contents can be fabricated.

## Personal CVo:

Professor Mi Yan got bachelor degree at Southeast University, China in 1984, got master degree at Harbin Institute of Technology, China in 1987, and got Ph.D. in May 1991 at Southeast University, China. From Oct. 1991 to Dec. 1994, he worked in the Department of Materials Science and Engineering, Zhejiang University as a Research Fellow. After that he worked at Zhejiang University as a faculty member, and obtained full professorship in 1998. During 1997 to 1999 he worked at Oxford University and Brunel University, UK as a research fellow. He is now the director of Zhejiang Provincial Key Lab of Novel Materials for Information Technology, head of the Key Innovative Team for Magnetic Materials of Zhejiang Province, and vice chairman of Magnetic Society of Zhejiang Province, China. His research areas include: (1) preparation and characterization of RE permanent magnets, amorphous/nanocrystalline soft magnets and magnetostrictive materials, (2) surface treatment of metallic/magnetic materials. He has published over 200 papers in international journal, obtained over 50 patents in China and America. His group possesses extensive links and collaboration with industries.