

## A brief biography:

Dr. Haosu Luo, professor, and the group leader of ferroelectric single crystals and devices at Shanghai Institute of Ceramics, Chinese Academy of Sciences. He has significantly contributed to the growth and development of piezoelectric single crystals, especial for the growth and practical application of PMN-PT single crystals in the world. Current researches involve the growth of high-T<sub>c</sub> relaxor-based single crystals, lead free piezoelectric single crystals, and their device applications on ultrasonic transducers, infrared detectors, ME magnetic sensors, and various device applications. He is a pioneer in the world for the single crystal growth of piezoelectric materials and devices fabrication. He has developed many innovative technologies for the growth and application of PMN-PT single crystals. He has involved more than 700 publications. He was nominee of EEE-UFFC Ferroelectrics Recognition Award in 2014 and 2015. He acquired the National Award for Technological Invention 2nd Prize in 2005, and the first prize of natural science of Shanghai municipal government in 2013.



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