Professor Feiyu Kang

International Graduate school at Shenzhen

Tsinghua University

Education Background

1997 - Doctoral Degree in Mechanical Engineering from the Hong Kong University of Science and Technology

1988 - Master's Degree in Mechanical Engineering from Tsinghua University

Research and Work Experience

1998 - 2001 - Director of the Comprehensive Office, Graduate School, Tsinghua University

2002 - 2006 - Executive Deputy Dean, School of Continuing Education, Tsinghua University

2006 - 2010 - Deputy Dean of Academic Affairs, Tsinghua University

2010 - 2011 - Executive Deputy Dean, Shenzhen Graduate School, Tsinghua University

2011 - Present - Dean of Shenzhen Graduate School, Tsinghua University

September 2014 - August 2017 - Dean, Tsinghua-Berkeley Shenzhen Institute

Academic Positions

Chief Scientist of the National Nanotechnology Project (973 National Plan)

Chief Scientist of International Innovation Team for Energy and Environmental Materials, funded by the Guangdong Provincial Government in 2010

Co-Chair, CARBON2002 (Beijing) and Carbon2011 (Shanghai), International Carbon Materials Conferences

Chair, 15th International Symposium on Intercalation Compounds (ISIC15)

Chair, Expert Committee of Guangdong Provincial Industry-University-Research Alliance for Advanced Batteries and Materials

Director, Shenzhen Key Laboratory of Thermal Management Engineering and Thermal Conductive Materials

Research Area

Prof. Feiyu Kang specializes in researching innovative carbon materials, energy storage strategies, and environmental solutions. His expertise spans various areas, including intercalation compounds of graphite, advanced processing techniques for graphite, and the development of porous carbon materials. Professor Kang's Energy and Environmental Materials Research Team was among the inaugural 12 innovative research teams in Guangdong Province in early 2010. The team's endeavors predominantly revolve around energy storage and conversion technologies, including lithium-ion batteries, supercapacitors, and electric vehicles, as well as rare earth catalytic materials for environmental protection, water purification techniques, and the enhancement of thermal conductivity materials.

Selected Publications

Prof. Kang ranks in the top 1% of scientists globally in the fields of materials science and engineering, as per the Essential Science Indicators (ESI), with an H-index of 64 and 13,548 citations. He possesses over 100 authorized invention patents, including numerous US and PCT patents. He has contributed to over 500 peer-reviewed papers and collaborated on three English books alongside international experts, and a Chinese monograph.