



NANO KOREA 2024

The 22nd International Nanotech Symposium & Exhibition

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Dr. Hanghui Chen is an assistant professor of physics at NYU Shanghai and a global network assistant professor of physics at New York University. He obtained his bachelor's degree in Physics from Peking University and his Ph.D. degree in Physics from Yale University. Before he joined the faculty of NYU Shanghai, Dr. Chen held a postdoc position in the Department of Physics at Columbia University. Dr. Chen's research area is at the intersection of condensed matter physics and materials science. He uses state-of-the-art first-principles calculations to study electronic, magnetic, structural, and superconducting properties of quantum materials, with a particular emphasis on complex oxides and oxide heterostructures.