

Curriculum Vitae

Personal information

Name: Kwang-Yong Choi
Current Position: Professor at Department of Physics, Sungkyunkwan University
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Education

Mar 2004 Ph. D. degree in department of physics, RWTH Aachen in Germany
Thesis: "Inelastic light scattering in low-dimensional spin systems"
(Supervisor: Prof. Dr. G. Güntherodt)
May 2000 Diploma degree in department of physics, University of Cologne in Germany
Thesis: "ESR investigation of spin ladder systems" (Supervisor: Prof. Dr. A. Freimuth)
Aug 1995 Bachelor of Science in department of physics, POSTECH in Korea

Experiences

03/2021 - present Full Professor at Sungkyunkwan University
03/2008 - 02/2021 Assistant, Associate, and Full Professor at Chung-Ang University
02/2014 - 02/2015 Visiting scientist at PSI, Switzerland and RIKEN-RAL Muon facility, UK
04/2006 - 02/2008 Research associate at National High Magnetic Field Lab, USA
08/2004 - 03/2006 Research Assistant professor at Institute for Materials Research, Japan
08/2000 - 07/2004 Research assistant at II. Physikalisches Institut der RWTH Aachen, Germany
06/1999 - 05/2000 Teaching assistant at II. Physikalisches Institut der Universität zu Köln, Germany

Awards

2008 Humboldt Fellowship for Experienced Researcher, Germany
2013 LG Yonam Fellowship awarded by LG foundation, Korea

Areas of research interest

- Quantum spin liquids in Kitaev and frustrated quantum magnets
- Topological state of matter emergent in strong spin-orbit coupled systems
- Novel state of matter in low dimensional quantum magnets (spin chain and spin ladder)
- Strongly correlated systems (orbital physics and unconventional superconductor)

Experimental skills

- Synthesis of crystals and characterization of magnetic properties
- Pulsed and static high-field techniques
- ESR, NMR, and μ SR
- Raman spectroscopy