Quantum Materials Research in the Max Planck Institutes and Opportunities for International Students

Prof. Bernhard Keimer

Abstract: We will give an overview of research on quantum materials in the Max Planck Institutes at different locations in Germany. We will focus on the MPI for Solid State Research in Stuttgart which houses unique facilities for synthesis, nanostructuring, transport, spectroscopy, and computational analysis of a wide range of quantum materials. We will also outline our graduate program which offers opportunities for international students at various levels of their careers, ranging from internships for outstanding undergraduate students to research fellowships for M.Sc. and Ph.D. students. Starting next year, a new videoconferencing infrastructure will integrate quantum materials coursework across different Max Planck Institutes.

About the speaker*: Bernhard Keimer is currently Director at the Max Planck Institute for Solid State Research and Honorary Professor at the University of Stuttgart, Germany. He obtained his physics education from the Technical University of Munich and from the Massachusetts Institute of Technology, where he received his Ph.D. degree in 1991. Before taking up his current position in 1998, he spent seven years on the faculty of Princeton University, where he was appointed Full Professor in 1997. His research group uses spectroscopic methods to explore quantum many-body phenomena in correlated-electron materials and metal-oxide heterostructures. Bernhard Keimer has received numerous awards for his research, including the Leibniz Prize of the German Science Foundation.

**At the end of this introduction, Prof. Hidenori Takagi will add a few remarks about the academic environment at Max Planck Institute from the point of view of an Asian director. On the same day, Prof. Takagi will give a research seminar at ICQM in the morning at 10am.*

Time: 4:00pm, Nov 14, 2017 (Tuesday)
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Venue: Room w563 Physics building, Peking University
563

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