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## Sp**in Dynamics in Semiconductor Nanostructures** Prof. Ming-Wei Wu

(University of Science and Technology of China)

时间: 2009年3月5日(星期四)下午15:00-16:40 地点: 北京大学物理大楼中212教室

报告摘要: In this talk we are going to present our theoretical in spin dynamics of semiconductor nanostructures under various condition of from a fully microscopic kinetic-spin-Bloch-equation (KSBE) approach particle approach is inadequate in accounting for the spin relaxation of both in the time domain and the spacial domain. The momentum dependence of the spin diffusion rate along the operational graded inhomogeneous broadenings. It is pointed out that in the presence of broadening, any scattering, including the carrier-carter Coulome space and increases in the counter effect to the inhomogeneous broadening. Finally, this approach is valid. In both si scattering regime and can be used to study systems far away from the as electrons of high spin polarization and/or electrons into strong electrons). Many novel effects are presided from the strong electrons of high spin polarization and/or electrons into strong electrons. Many novel effects are presided from the strong electrons of high spin polarization and/or electrons into strong electrons. Many novel effects are presided from the strong electrons of high spin polarization and/or electrons is spin dynamics of high spin polarization and/or electrons in the strong electrons. Born in 1968, Ming-Wei Wingot his Ph.D from the University of the prime of the spin dynamics and the strong of the spin form the University of the prime of the spin dynamics of the spin form the University of the prime base of the spin dynamics of the spin form of the spin spin form the prime of the spin dynamics of the spin spin form and the spin form the university of the spi

报告入简介: Prof. Dr. M. W. Wu has been working on spin dynamics during the past 9 years. Born in 1968, Ming-Wei Wurgot his Ph.D from the University of Science and Technology of China in 1995. He then worked at the Stevens Institute of Technology (US), the University of Rochester and Wilson Research Center of Xerox Corporation (US), University of Frankfurt (Germany), University of California Santa Barbara (US), and Tokyo University (Japan). He is currently professor of physics at the University of Science and Technology of China. His research activities include theoretical studies of spintronics, ultrafast spectroscopy of semiconductors, quantum kinetics, hot-electron transport, and optical and transport properties of organic materials. He is currently the Editorof Physica E (Elsevier).

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