



Fyzikálny ústav SAV
Dúbravská cesta 9, Bratislava

si Vás dovoľuje pozvať na prednášku

Spectroscopic Characterisation of Thin Films and Low Dimensional Structures

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v Auditóriu QUTE.

This talk will provide an overview of the Semiconductor Physics activities in Chemnitz. The group employs a range of techniques ranging from surface science over optical spectroscopy to electrical characterisation for the characterisation of interfaces, ultra-thin films, and low-dimensional structures.

Two activities will be highlighted, namely those related to semiconductor quantum dots which are studied from a fundamental point of view as well as with respect to potential applications in sensors. These play an important role in applied projects such as *the Network of Excellence for Nanosystem Integration* (nanett) and *the Cluster of Excellence MERGE*. The other activity is related to molecular thin films and their application in spintronic devices within the DFG Research Unit „*Towards Molecular Spintronics*“.