
S E M I N A R **aus** **Halbleiterphysik und Nanotechnologie**

Do, 15.3.2018, 11:00 Uhr, Hörsaal für Physik

“CdS Nanosize Single Crystals Growth and Morphology, Piezoelectric Properties and Prospects for Piezotronics“

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We're discussing the idea of usage of features of nanometre-scale semiconductor single crystals growth for the fabrication of nanoelectronic, nanophotonic and piezotronic devices. Semiconductor facets, crystal edges, crystal tips are well predicted objects for nanosize single crystal device fabrication in bottom-up approach.

Nanocrystals (NC) of CdS, CdSe and metals sulphide of Sn, Ni, Ag, Cu are very prospective nanoobjects due to their crystalline anisotropy, photoconductivity, ferroelectric and magnetic properties of material.