

TRR Guest Scientist Lecture / Seminar

Date/Time: Monday, 17.12.2018 / 14:00 Uhr
Location: TU Dortmund University
Otto-Hahn-Str. 4a
44227 Dortmund
Room CP-01-186 (seminar room of E2)

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Optically-detected magnetic resonances in nanostructures of semiconductors compounds

Abstract:

Optically Detected Magnetic Resonance (ODMR) is a powerful tool for study of spin structure and spin dynamics of electron systems in nanostructures. During seminar principles of ODMR will be discussed and applications of ODMR spectroscopy technique to investigation of semiconductor nanostructures will be presented. Main attention will be focused to results of ODMR studies in II-VI and III-V semiconductors nanostructures: quantum wells, self assembled quantum dots and colloidal nanocrystals.

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