

Poster programme

4. Joint Nanoworkshop of TU/e, DTU and TUM

1 June 2011

TUM Institute for Advanced Study (IAS)
TUM Campus Garching

Presenting Author	Institute/University		Poster Title	Poster No.
Adelsberger	Physik Department E13	TUM	Structure, Kinetics and Dynamics of Thermoresponsive Blockcopolymer Gels	42
Becherer	Lehrstuhl für Technische Elektronik	TUM	Nanomagnetic logic with single-domain dots in perpendicularly magnetized multilayer films	27
Blanchard	Risø National Laboratory for Sustainable Energy - Materials Research Division	DTU	Hindered Rotation of BH ₄ - Tetrahedra in Ca and Mg Borohydrides, from QENS and DFT	15
Boppert	Department of Applied Physics - Theory of Polymers and Soft matter	TU/e	Bias-Stress effect: Proton Migration Mechanism	48
Calaon	Department of Mechanical Engineering	DTU	Establishment of sub- μm structured polymer surfaces texture using a non conventional approach	20
Crampton	Physikalische Chemie	TUM	Interaction of trichloroethene on Pt(111) and size selected Pt clusters	33
Enders	Physik Department E17	TUM	Ptychographic Coherent Diffraction Imaging for CT at the nanoscale	12
Engelbrekt	Department of Chemistry - NanoChemistry	DTU	Dynamics of Green AuNP formation and their application in core-shell nanostructures	31
Fukamori	Physikalische Chemie	TUM	Size-selected Clusters under the Scanning Tunneling Microscope	36
Golosova	Physik Department E13	TUM	Chemical modification of carbon nanotubes for nanocomposite applications	44
Gutiérrez	Lehrstuhl für Technische Chemie II	TUM	Characterization and tetralin hydrogenation activity of Pt-Pd nanoparticles in the presence of sulfur and nitrogen poisons	30
Hao	Department of Chemistry - NanoChemistry	DTU	In Situ AFM Study of Metalloproteins in Liquid Environments	11

Presenting Author	Institute/University		Poster Title	Poster No.
Heister	Lehrstuhl für Bodenkunde	TUM	Sample requirements for NanoSIMS analysis in geobiosciences	13
Herzig	MSE	TUM	3-component systems in Organic Photovoltaic	46
Hoppe	Physik Department E13	TUM	Physical polymer properties at the polymer-solid interface	41
Huber	Physik Department E10	TUM	Spin wave resonances in periodically patterned ferromagnetic structures	28
Jaksch	Physik Department E13	TUM	Thermoresponsive behavior of poly(2-oxazoline)s	43
Janssen	Department of Chemical Engineering - Molecular Materials and Nanosystems	TU/e	Title to be announced	9
Klotz	Walter Schottky Institut	TUM	Asymmetric optical nuclear spin pumping in a single uncharged quantum dot	5
Koenraad	Department of Applied Physics - Photonics Semiconductor Nanophysics	TU/e	Composition profiling of InAs quantum dots and wetting layers by atom probe tomography and cross-sectional scanning tunneling microscopy	10
Koopmans	Department of Applied Physics - Physics of Nanostructures	TU/e	Unraveling Organic Magnetoresistance by experiments and modeling	26
Körstgens	Physik Department E13	TUM	Microfluidics and MicroGISAXS for the preparation of nanostructures	19
Kreupl	Lehrstuhl für Technische Elektronik - Abteilung Hybride Systeme	TUM	Carbon-based Materials for Microelectronic Applications	2
Kreuzpaintner	Physik Department E21 + FRM II	TUM	Time-of-flight Grazing Incidence Small Angle Neutron Scattering on Gd Nanowires	14
Leonardi	Physik Department E19	TUM	TiO ₂ nanotubes: interdependence of grain orientation and growth characteristics	18
Metwalli-Ali	Physik Department E13	TUM	Progressive selective gold deposition on polymer template using a low-stream technique	22
Meyer	Lehrstuhl für Theoretische Chemie	TUM	'QM/Me' - a novel embedding approach for adsorbate dynamics on metal surfaces	38
Miniussi	Physikalische Chemie	TUM	A size-selected Cluster Source for the preparation of novel Model Catalysts	39
Müller-Buschbaum	Physik Department E13	TUM	Structural investigation of thin polymer nanocomposite and blend films for photovoltaic applications	47
Ostermayr	Physik Department E19	TUM	Activity of Platinum Submonolayers on Gold	35
Palyulin	Physik Department T30g	TUM	Microphase separation in melts of double-graft copolymers	40

Presenting Author	Institute/University		Poster Title	Poster No.
Palyulin	Physik Department T30g	TUM	Formation of complex micelles in solutions of AB and BC block copolymers	49
Philipp	Physik Department E13	TUM	Critical behaviour at the volume phase transition of PNIPAM-based hydrogels	45
Prechtel	Walter Schottky Institut	TUM	Picosecond time-resolved optoelectronic transport in carbon nanotubes and graphene	3
Rasp	Fachgebiet für Selektive Trenntechnik	TUM	Purification of bioproducts using magnetic particle adsorbents	25
Sarkar	Physik Department E13	TUM	ZnO nanostructures templated by a PS-b-PEO diblock copolymer via sol-gel route	24
Scarpa	Lehrstuhl für Nanoelektronik	TUM	Spray coating techniques for the fabrication of CNTs-network-based sensing devices	23
Schinner	Walter Schottky Institut	TUM	Energy and spatially resolved excitonic dynamics in coupled InGaAs quantum wells	7
Schrapp	Walter Schottky Institut	TUM	Coherent excitation of the Jaynes-Cummings ladder	6
Schwarze	Physik Department E10	TUM	Temperature dependent propagating spin-wave spectroscopy on ferromagnetic devices	29
Sepe	Physik Department E13	TUM	In-situ study of lamellar poly(styrene-b-butadiene) diblock copolymer thin films during heat treatment	37
Sommerdijk	Laboratory of Materials and Interface Chemistry and Soft Matter CryoTEM Unit	TU/e	Title to be announced	8
Staffler/Pick	TUM Forte	TUM	European funding opportunities in 2012	1
Stallhofer	Walter Schottky Institut	TUM	Ballistic and quantized photocurrents in nanoscale circuits	4
Sternschulte	nanoTUM	TUM	Pt/diamond as a model system for the investigation of the size-dependent activity of platinum nanoparticles	34
Sveinbjörnsson	Risø National Laboratory for Sustainable Energy - Materials Research Division	DTU	LiBH ₄ as a solid electrolyte material	17
Thygesen	Department of Physics - Center for Atomic-scale Materials Design	DTU	NanoDTU - Center for Nanotechnology at DTU	50
Vanin	Department of Physics - Center for Atomic-scale Materials Design	DTU	Graphene on metals: a van der Waals density functional study	16
Yadav	Lehrstuhl für Nanoelektronik	TUM	Nanotransfer technology for device fabrication	21
Zhu	Department of Chemistry - NanoChemistry	DTU	Electron Transfer and Electrocatalysis Dominated by Chain Length of Self-Assembling Prussian Blue Nanoparticles on Au(111)	32