

September 30, 2010 Thursday

15:00 - 15:30	Reception	
15:30 - 16:30	Polymer nanocapsules and 2D polymers: covalent self-assembly	Prof. Kimoon Kim
16:30 - 17:30	Transition metal Nanoparticles in Catalysis	Prof. Saim Özkar

October 1, 2010 Friday

09:00 - 09:50	Novel non-viral gene vectors for pDNA and siRNA delivery	Prof. Joachim Steinke
09:50 - 10:40	SERRS-Active Macromolecules	Prof. Peter Cormack
10:40 - 10:50	BREAK	
10:50 - 11:40	Fabrication of Multifunctional Composite Nanoparticles and Nanocapsules in Miniemulsion System	Dr. Anna Musyanovych
11:40 - 12:00	Nano-structured functional organic materials	Assist. Prof. Dönüş Tuncel
12:00 - 12:20	Novel Surfaces for Biomolecular Immobilization	Assist. Prof. Amitav Sanyal
12:20 - 13:45	LUNCH BREAK	
13:45 - 14:35	Catalytic Chemical Vapour Deposition of Carbon Nanotubes	Prof. John Robertson
14:35 - 14:45	BREAK	
14:45 - 15:05	A case study on the synthesis, functionalization and biomedical application of CNT forests	Assist. Prof. Erman Bengü
15:05 - 15:55	In situ transmission electron microscopy of growth processes and chemical reactions	Dr. Rafal E. Dunin-Borkowski
15:55 - 16:05	BREAK	
16:05 - 16:55	Quantitative HRTEM & HRSTEM	Dr. Chris Boothroyd

October 2, 2010 Saturday

09:00 - 09:50	Investigation of Water Splitting on TiO ₂ Single Crystals via STM	Dr. Stefan Wendt
09:50 - 10:40	Transient and Operando Techniques for the Investigation of Reaction Intermediates and Active Sites: Application to the Water-Gas Shift reaction over gold based catalysts	Prof. Alex Goguet
10:40 - 10:50	BREAK	
10:50 - 11:40	Photonic Band Gap Materials and Their Implications in Photocatalytic H ₂ Production from Renewables	Prof. Hicham Idriss
11:40 - 12:30	In Situ NMR in Catalysis: A study of small alkanes activation and aromatization on Zn and Ga- modified zeolites BEA	Prof. Alexander Stephanov
12:20 - 13:45	LUNCH BREAK	
13:45 - 14:35	Dynamics and Structure of Short Biopolymers Probed by Fluorescence	Prof. Werner Nau
14:35 - 14:45	BREAK	
14:45 - 15:05	Novel mixed oxides with tunable surface properties	Assist. Prof. Emrah Özensoy
15:05 - 15:55	Publishing in materials science - how to stand out from the crowd	Dr. Carol Stanier
15:55 - 16:05	BREAK	
16:05 - 16:55	Bioinspired Functional Surfaces	Dr. Marleen Kamperman
19:00 - 22:00	DINNER AT FACULTY OF SCIENCE (SA-Building)	

October 3, 2010 Sunday

EXCURSION

October 4, 2010 Monday

08:40 - 10:10	Cucurbituril-based nanomaterials and their applications	Prof. Kimoon Kim
10:10 - 10:20	BREAK	
10:20 - 11:50	Fine Applications of Cucurbiturils" and "Introduction to Supramolecular Tandem Enzyme Assays	Prof. Werner Nau
11:50 - 12:50	LUNCH BREAK	
12:50 - 14:20	Nanoparticles for Biomedical Applications: Synthesis, Properties and Characterization	Dr. Anna Musyanovych
14:20 - 14:30	BREAK	
14:30 - 16:00	Off-axis electron holography of magnetic nanoparticles, nanostructures and devices	Dr. Rafal E. Dunin-Borkowski
16:00 - 16:10	BREAK	
16:10 - 17:40	Microanalysis in the TEM	Dr. Chris Boothroyd
18:00 - 20:30	POSTER SESSION & COCKTAIL (SB-Building)	

October 5, 2010 Tuesday

08:40 - 10:10	Scanning tunneling Microscopy for the investigation of model catalysts with atomic resolution	Dr. Stefan Wendt
10:10 - 10:20	BREAK	
10:20 - 11:50	Coupling of infrared and mass spectrometry with steady state isotopic transient kinetic analysis for the investigation of reaction intermediates in gas phase heterogeneously catalysed reaction: Design and experimental considerations	Prof. Alex Goguet
11:50 - 12:50	LUNCH BREAK	
12:50 - 14:20	Basics of Solid State NMR for Application in Catalysis	Prof. Alexander Stephanov
14:20 - 14:30	BREAK	
14:30 - 16:00	Porous Polymer Microspheres: Synthesis and Analytical Science Applications	Prof. Peter Cormack

16:00 - 16:10	BREAK	
16:10 - 17:40	The dielectric material for organic electronics	Prof. Joachim Steinke
18:00 - 20:30	POSTER SESSION & COCKTAIL (SB-Building)	

October 6, 2010 Wednesday		
09:00 - 11:00	Role of nanomaterials in catalysis and photo-catalysis	Prof. Hicham Idriss
11:00 - 12:30	Design, Synthesis and Characterization of Artificial Bioinspired Adhesives	Dr. Marleen Kamperman
12:30 - 13:30	LUNCH BREAK	
13:30 - 15:00	Latest developments on sputter deposited coatings and technologies; industrial application of HIPIMS	Christoph Schiffers
15:00 - 15:15	Closing Remarks & Awards	