

3rd Colloquium TUM-HASYLAB "The polymer metal interface"

date: Monday, 10. September to Tuesday, 11. September 2012

venue: Physik-Department, Seminarraum E13

Technische Universität München

Program

Monday, 10. 09. 2012

13:00 – 13:15 Peter Müller-Buschbaum (TUM)

Welcome

13:15 – 13:45 Stephan V. Roth (HASYLAB)

Recent upgrades of the MiNaXS beamline P03

13:45 – 14:15 Monika Rawolle (TUM)

Titania thin films: a low temperature route to crystalline nanostructures

14:15 – 14:45 Eva M. Herzig (TUM)

Changes in Ternary OPV blends due to temperature

14:45 – 15:15 Sebastian Bommel (HASYLAB)

Growth-study of the fullerene C60 on mica using real-time and in-situ x-ray scattering

15:15 – 15:45 coffee break

15:45 – 16:15 Martine Philipp (TUM)

Microfluidic studies of the swelling behavior of hydrogels

16:15 – 16:45 Jan Perlich (HASYLAB)

Ordering during directional drying in organic thin films

16:45 – 17:15 Claudia Palumbiny (TUM)

Structured Interfaces for Organic Photovoltaics

17:15 – 17:45 Kuhu Sarkar (TUM)

Hybrid films based on ZnO network structures for applications in organic photovoltaics

17:45 – 18:30 discussion on future projects – part I

18.30 dinner in Garching

Tuesday, 11. 09. 2012

09:45 – 10:15 Gonzalo Santoro (HASYLAB)

In-situ RF-sputter chamber at P03: Status and planned upgrades

10:15 – 10:45 Ezzeldin Metwalli (TUM)

Real time GISAXS investigation of metal deposition on hard and soft surfaces

10:45 – 11:15 Matthias Schwartzkopf (HASYLAB)
Growth kinetics of Au on Si: From atoms to layers

11:15 – 11:45 Yuan Yao (TUM)
Comparison study of Gold and Aluminum deposition on polymer surfaces

11:45 – 12:15 Shun Yu (HASYLAB)
Al-sputter deposition on AlQ3

12:15 – 13:15 lunch break

13:15 – 13:45 Martin Niedermeier (TUM)
In-situ GISAXS characterization of metal electrode formation on a solid hole conductor

13:45 – 14:15 Gerd Herzog (HASYLAB)
Spray deposition of colloids

14:15 – 14:45 Christoph Schaffer (TUM)
In-Situ GISAXS experiments on (PCPDTBT:PC70BM) bulk heterojunction polymer solar cells

14:45 – 15:15 Jianqi Zhang (TUM)
Structural evolution in diblock copolymer thin films with perpendicular lamellar structure during solvent vapor treatment

15:15 – 15:45 discussion on future projects – part II

15:45 – 16:00 Peter Müller-Buschbaum (TUM)
Closing remarks