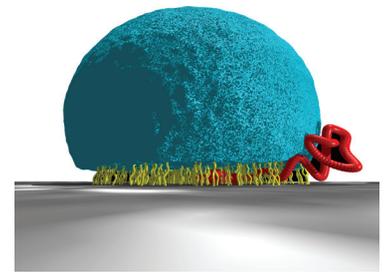


Challenges and Prospects of Soft Matter at Interfaces

April 24-26, 2013



Wednesday, April 24

Session A: Biological and bioinspired interfaces

| | |
|---------------|---|
| 08:50 - 09:00 | Opening remarks |
| 09:00 - 09:30 | C. Marques <i>Transformation of self-assembled bilayers under photo-induced oxidation: bumper or crackerjack ?</i> |
| 09:30 - 10:00 | Discussion |
| 10:00 - 10:30 | D. Ausserré <i>Supported smectic films: symmetry, patches, ziggurats, questions</i> |
| 10:30 - 11:00 | Discussion |
| 11:00 - 11:30 | Coffee |
| 11:30 - 12:00 | M. Biesalski <i>Designing functional paper materials through tailored polymer attachment</i> |
| 12:00 - 12:30 | Discussion |
| 13:00 - 14:30 | Lunch |
| 14:30 - 15:00 | E. Arzt <i>Bioinspired adhesion devices</i> |
| 15:00 - 15:30 | Discussion |
| 15:30 - 16:00 | O. Borisov <i>Dendritic polymer and polyelectrolyte brushes</i> |
| 16:00 - 16:30 | Discussion |
| 16:30 - 17:00 | Coffee |

Session B: Design of soft surfaces and impact of surfaces on soft materials

| | |
|---------------|---|
| 17:00 - 17:30 | F. Mugele <i>Complex surfaces with electrically controllable wettability</i> |
| 17:30 - 18:00 | Discussion |
| 18:00 - 18:30 | H.-J. Butt <i>Wetting of superamphiphobic surfaces</i> |
| 18:30 - 19:00 | Discussion |
| As of 19:00 | Dinner |

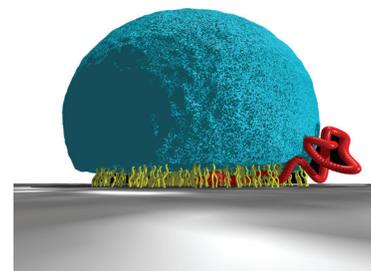
Thursday, April 25

Session B: Design of soft surfaces and impact of surfaces on soft materials

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|---------------|--|
| 09:00 - 09:30 | A. Jonas <i>Hybrid functional layers by nanoimprint lithography : from confined polymer crystallization to memory devices</i> |
| 09:30 - 10:00 | Discussion |
| 10:00 - 10:30 | T. Thurn-Albrecht <i>Substrate induced molecular order and nucleation in thin films crystalline polymers</i> |
| 10:30 - 11:00 | Discussion |
| 11:00 - 11:30 | Coffee |
| 11:30 - 12:00 | T. Schimmel <i>Template-guided self-assembly: controlling nanoscale pattern formation by molecular interaction</i> |
| 12:00 - 12:30 | Discussion |
| 13:00 - 14:30 | Lunch |

Challenges and Prospects of Soft Matter at Interfaces

April 24-26, 2013



Thursday, April 25

Session C: Wetting and lubrication properties

| | | |
|---------------|---------------------------|---|
| 14:30 - 15:00 | M. Müller | <i>Statics and dynamics of polymer droplets on hard, soft and topographically structured substrates</i> |
| 15:00 - 15:30 | Discussion | |
| 15:30 - 16:00 | A. Siria | <i>Giant energy conversion measured in a single transmembrane boron-nitride nanotube</i> |
| 16:00 - 16:30 | Discussion | |
| 16:30 - 18:30 | Poster session and coffee | |
| As of 19:00 | Dinner | |
| As of 21:00 | Poster session and wine | |

Friday, April 26

Session C: Wetting and lubrication properties

| | | |
|---------------|-----------------------|---|
| 09:00 - 09:30 | S. Herminghaus | <i>Phase diagram of wetting (and non-wetting) on random roughness</i> |
| 09:30 - 10:00 | Discussion | |
| 10:00 - 10:30 | K. Varanasi | <i>Lubricant-impregnated surfaces: droplet mobility and phase transitions</i> |
| 10:30 - 11:00 | Discussion | |
| 11:00 - 11:30 | Coffee | |
| 11:30 - 12:00 | D. Quéré | <i>Dynamical hydrophobic situations</i> |
| 12:00 - 12:30 | Discussion | |
| 12:30 - 12.45 | Closing address | |
| 13:00 - 14:30 | Lunch | |