

## UniGR & INM Workshop “Tailored Materials Interfaces”, Saarbrücken, June 29-30, 2015

Saarland University, Campus Saarbrücken, Building “Aula” A 3.3

Host: University of the Greater Region / Leibniz Institute for New Materials



### Monday, June 29, 2015

13:00 Registration

13:45 Welcome address

Uwe HARTMANN, Vice-President of Saarland University & Eduard ARZT, Scientific Director and Chairman of the INM

14:00 **Aránzazu DEL CAMPO**

MPI Polymerforschung Mainz

**Keynote talk / Guiding cell-materials interactions with light**

14:45 Jan LAGERWALL

Université du Luxembourg

Interfaces that tune liquid crystals that tune interfaces

15:15 Thierry GROSDIDIER

Université de Lorraine

Title still open

15:45 **Break**

16:15 Karin JACOBS

Universität des Saarlandes

Experimental characterization of biointerfaces: Forces governing protein and bacterial adhesion

16:45 Benoît HEINRICH

Université de Liège

High interface materials for high performances in environmental applications

**17:15 POSTER SESSION**

18:30 End of program

20:00 **Conference Dinner**

### Tuesday, June 30, 2015

09:00 Mohammed CHERKAOUI

Georgia Tech Lorraine

Title still open

09:30 David RUCH

LIST Luxembourg

Nanocomposite (multi)functional surfaces: from molecules to applications

10:00 Pierre COLSON

Université de Liège

Structuration and control of interfaces in functional materials for energy and environmental applications

10:30 **Break**

11:00 Gregory FRANCIUS

Université de Lorraine

Multivalency: Influence of the Residence Time and the Retraction Rate on Rupture Forces Measured by AFM

11:30 Christiane ZIEGLER

Universität Kaiserslautern

Adhesion of productive bacteria on microstructured titanium surfaces - an approach to tailor materials interfaces for productive biofilm reactors

12:00 Eduard ARZT

INM & Universität des Saarlandes

Bioinspired functional surfaces

12:30 Franziska LAUTENSCHLÄGER

Universität des Saarlandes

Using microfabricated tools to decipher cellular functions

13:00 **Lunch**

14:30 Thierry BELMONTE

Inst. Jean Lamour, Univ. Lorraine

Tailored oxide nanostructures by plasmas: promises and pitfalls

15:00 Naoufal BAHLOWANE

LIST Luxembourg

Nanocomposite coatings with tunable optical properties

15:30 **End of workshop**

**15:50 Optional lab tour to selected institutes on the Campus of the Saarland University (1 - 1,5 hours)**

\* INM - Leibniz-Institute for New Materials

\* other labs at the University