International Graduate Research Training Group 1524
– SSNI –

Self-Assembled Soft-Matter Nanostructures at Interfaces

Mercator Professorship Thomas Zemb

Part II: Intermolecular forces organizing complex fluids: Laboratory experiments for challenging predictive theories

18.07. 2017, TC 318, 16:00 - 17:00 h
8- Depletion forces: from Onsager to Asakura - Oosawa theory and beyond

Tuesdays, 16:00 - 17:00 h & Thursdays, 11:00 - 12:00, Room C 074, Str. des 17. Juni 115, 10623 Berlin

08.08.
9- An initial simplified approach to dispersion forces
(inspired from VA Parsegian/ Princeton)
10.08.
10- Diversion forces, structure and predictive theories of Hofmeister effects
15.08.
11-A molecular theory of solubilisation by preferential solubilisation
17.08.
12-Spontaneous emulsification by dilution of curvature inversion in practice
22.08.
13- Bio - inspired equation of stage of charged cylinders: DNA, wood cells wall and mesoporous material precursors
24.08.
14- How can an electrolyte be soluble in non aqueous solvents ?
(based on a recent review by Vince Craigh)

These lectures are mandatory for all IRTG 1524 fellowship holders.

Individual discussions

Wednesdays 10:00 - 12:00, Room C 073b
Please make an appointment beforehand with the IRTG 1524 office or Prof. Thomas Zemb.

We cordially invite everybody who is interested.

Prof. Dr. Thomas Zemb
Mercator Professor
TU Berlin, C building, Room C 073b
Straße des 17. Juni 115
10623 Berlin

IRTG 1524 Office
b.thiele@tu-berlin.de
petra.erdmann@tu-berlin.de