

**Colloquium of the International Graduate
Research Training Group I524 – SSNI –
Self-Assembled Soft-Matter Nanostructures
at Interfaces**



**Wednesday, October 13th 2010, 16.15 h
Technische Universität Berlin
EW-Building, Room EW 73 I
Hardenbergstr. 36, 10623 Berlin**

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**"Shape and polydispersity effects
in systems of charged colloids"**

Charged colloidal systems represent a large quantity of real systems with theoretical and practical relevance, and since the introduction of the DLVO theory there has been extensive study of monodisperse, spherical colloidal systems. However, experimental systems are rarely made of spherical particles, and they present in general some degree of polydispersity, and only recently, analytical theories and numerical computations have begun to address these topics. In this talk some recent results on the screening of spheroidal charged colloids and on the behavior of polydisperse spherical colloidal systems will be presented and discussed.

We cordially invite everybody who is interested.

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