



**Colloquium**  
**Dahlem Center for Complex Quantum Systems**

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**Strong correlations from first principles? A dynamical mean field viewpoint**

**Location:** Hörsaal A (1.3.14)

**Time:** Tuesday, May 10, 2011, 14:00

**Abstract:**

Describing strong electronic Coulomb correlations and their effect on the physical properties of materials is one of the bottlenecks of modern solid state physics. We will discuss this question from the dynamical mean field viewpoint, with transition metal oxides and pnictides serving as illustrations.