

# INVITATION TO A GUEST LECTURE

## SILKE BIERMANN, CENTRE DE PHYSIQUE THÉORIQUE

Dear Colleague,

we cordially invite you to the following guest lecture in the scope of our workshop from 28<sup>th</sup> of April 2011 – 29<sup>th</sup> of April 2011. Thank you.

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| <b>SILKE BIERMANN – PALAISEAU, FRANCE</b><br>Professeure chargée de cours, Centre de Physique Théorique (CPHT), École Polytechnique  |
| <b>Presentation Title</b>  |
| <b>“Strong Correlations from First Principles? A Dynamical Mean Field Viewpoint”</b> (35-40 min.)  |
| <b>Date, Time &amp; Location</b>   |
| <b>“Christian-Doppler-Lecture Hall”</b> (Faculty of Physics, University of Vienna – Boltzmannngasse 5/Strudlhofgasse4, 3rd Floor, A-1090 (9th District) Vienna, Austria)<br><br><b>Thursday, 28.04.2011, 09:10 – 09:50</b>   |
| <b>Abstract</b>  |
| <i>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.</i> |