

Theoretical Aspects of two-dimensional oxides: Electronic structure and transport

Workshop
Meeting room at the CNRT, 2nd floor

Monday 20/04/2015

9h45 Opening of the workshop

10h00 U. Schwingenschlögl, KAUST: *New ab-initio results for $(LaVO_3)_m/SrVO_3$ superlattices*

11h00 A. Avella, University of Salerno: *Disorder and strong electron correlations in doped, orbital-degenerate Mott insulators*

15h00 T. Kopp, University of Augsburg : *Theory of $LaAlO_3$ - $SrTiO_3$ interfaces*

16h00 J. Fontcuberta, ICMAB Barcelona: *Orbital occupation at surfaces and interfaces of complex oxides*

Tuesday 21/04/2015

10h00 M. Le Tacon, MPI Stuttgart: *Elastic & Inelastic Photon Scattering from Strongly Correlated Electrons Superlattices*

11h00 O. Juillet, University of Caen: *Intertwined orders in the two-dimensional Hubbard model*

15h00 U. Lüders , CRISMAT Caen: *Geometrically confined doping in chromite superlattices*

16h00 A. Oleś, University of Cracow: *Spin-Orbital Order in Systems with Orbital Dilution*

17h00 R. Daou, CRISMAT Caen: *Reconstruction of the quasi-2D Fermi surface probed by thermoelectric transport*

Wednesday 22/04/2015

10h00 R. Frésard, CRISMAT Caen: *Landau parameters of extended Hubbard Models*

11h00 V.-H. Dao, CRISMAT Caen: *Collective charge excitations of the Hubbard model : a slave-boson point of view*

12h00 Closing remarks



Participation is free, but please register by email: ulrike.luders@ensicaen.fr