

One Day Conference on Nano- and Multifunctional Oxide Materials

2 mars 2016, Institut Jean Lamour (Amphitéâtre 5) Faculté des Sciences et Technologies, boulevard des Aiguillettes, Vandoeuvre-lès-Nancy . Priorité thématique : Matériaux Artificiels Nanostructurés

9h30-9h50 : Accueil et café

9h50-10h : Introduction

10h00-10h30: High-throughput Synthesis of Oxide Thin Films.

Wilfrid Prellier (*Laboratoire CRISMAT, Caen*)

10h30-11h00: Atmospheric Pressure Spatial Atomic Layer Deposition (AP-SALD): a new technique allowing the fast and scalable “printing” of functional oxides.

David Muñoz Rojas (*LMGP, Grenoble*)

11h00-11h30: Crystallography using electrons: a focus on thin film materials.

Philippe Boulay (*Laboratoire, CRISMAT*)

11h30-12h00: Room temperature multiferroic thin films: the possibilities offered by gallium ferrite. **Nathalie Viart** (*IPCMS, Strasbourg*)

12h00- 13h30: Pause déjeuner

13h30-14h00 : Titre à venir.

Philippe Lecoeur (*IEF, Orsay*)

14h00-14h30 : BaTiO₃(100) surface properties investigated by low electron energy and photoelectron emission microscopies. **Claire Mathieu** (*CEA, Saclay*)

14h30-15h00 : Complete Electronic Structure Mapping at Interfaces of a Metal-Supported Ultrathin Oxide Film by Resonant Auger Spectroscopy.

Thomas Jaouen (*Université de Fribourg, Suisse*)

15h00- 15h30: Pause

15h30-16h00 : The “trilinear coupling” of lattice modes: a promising pathway to achieve electric control of electronic properties in perovskites.

Philippe Ghosez (*Université de Liège, Belgique*)

16h00-16h30 : Probing strain in oxide heterostructures and ultrathin films by Raman spectroscopy. **Jens Kreisel** (*LIST, Luxembourg*)

16h45 -18h00 : Visite du “Tube”

