

MC16: Oxydes Fonctionnels - Des matériaux aux dispositifs

Organisateurs : I. CANERO INFANTE, L. MECHIN, M.-P. BESLAND, B. VILQUIN

Vendredi 26 août – 8h30- 12h00

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| 8:30 – 9:00 | Study of functional metal oxides thin films using infrared synchrotron radiation |
| INVITÉE | P. ROY |
| MC16-1 | <i>Synchrotron SOLEIL, France. pascale.roy@synchrotron-soleil.fr</i> |
| 9:00 - 9:15 | Physical properties of BaTiO₃ ultrathin films from X-ray spectroscopy analysis |
| MC16-2 | S. GONZALEZ |
| | <i>Université de Lyon, INSA Lyon, CNRS, UCBL, Ecole centrale de Lyon, CPE Lyon, Institut des nanotechnologies de Lyon, France. sara.gonzalez@insa-lyon.fr</i> |
| 9:15 - 9:30 | Advanced epitaxial lift-off procedure for the transfer of high-quality functional oxide thin films (membranes) |
| MC17-3 | J. BOUAZIZ |
| | <i>Empa, Swiss Federal Laboratories for Materials Science and Technology, Suisse. jordan.bouaziz@empa.ch</i> |
| 9:30 - 9:45 | Printing of functional oxides via spatial atomic layer deposition |
| MC17-4 | D. MUNOZ-ROJAS |
| | <i>Univ. Grenoble Alpes, CNRS, Grenoble INP, LMGP, France. david.munoz-rojas@grenoble-inp.fr</i> |
| 9:45 - 10:00 | Evaluation of the electrochemical performances of different Mn Zn based oxides as cathode materials for Zinc-Ion Batteries |
| MC17-5 | L. BEKKAR |
| | <i>LSPM, CNRS, Université Sorbonne Paris Nord, France.</i> |
| 10h00-10h30 Coffee break | |
| 10:30 - 11:00 | Modeling electrostriction |
| INVITÉ | P. -E. JANOLIN |
| MC17-6 | <i>LPMS, Université Paris-Saclay, CNRS-CentraleSupélec (France). pierre-eymeric.janolin@centralesupelec.fr</i> |

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| 11:00 - 11:15 | Quasicrystalline ultrathin oxides films: model, structures & properties |
| MC17-7 | E. GAUDRY <i>Univ. Lorraine, CNRS, IJL, Campus Artem, France. emilie.gaudry@univ-lorraine.fr</i> |
| 11:15 - 11:30 | Integration of VO₂ on Silicon for thermotronic applications |
| MC17-8 | S. SAHOO <i>Université de Lyon, Ecole centrale Lyon, INSA Lyon, UCBL, CPE Lyon, CNRS, Institut des nanotechnologies de Lyon, France. swayam.sahoo@ec-lyon.fr</i> |
| 11:30 - 11:45 | Purely electronic second-order Mott insulator-metal transition in a quadruple perovskite |
| MC17-9 | A. GAUZZI <i>IMPMC, Sorbonne Université, CNRS and MNHN, France. andrea.gauzzi@sorbonne-universite.fr</i> |
| 11:45 – 12:00 | Elaboration et caractérisation de couches minces de GeFe₂O₄ par ablation laser pulsé |
| MC17-10 | L. SCHLUR <i>Université de Strasbourg, CNRS, IPCMS, France. laurent.schlur@ipcms.unistra.fr</i> |