POSTERS:

SPEED FAST POSTER PRESENTATION (2')
10th JULY / 18:10 – 19:00 h

1.- K1-xBixNb1-xMeO3 (Me = Fe, Mn, Co) epitaxial thin films grown onto STO (100) and MgO (100) substrates by PLD
C. Pascual-Gonzalez, C. Ferrater, M.C. Polo, I. Fina and M. Varela

2.- Tunneling anisotropic magnetoresistance in LSMO thin films
S. Martín-Rio, Ll. Balcells, C. Frontera, A. Pomar, Z. Konstantinović and B. Martínez

3.- Structural and magnetic properties of Ni-doped Manganite thin films
M. Bernal, Z. Konstantinović, Ll. Balcells, C. Frontera, A. Pomar and B. Martínez

4.- Epitaxial growth of SrIrO3 thin films
V. Fuentes, L. López, A. Pomar, Ll. Balcells, Z. Konstantinović, C. Frontera, F. Sandiumenge and B. Martínez

5.- In-situ thermal analysis of YBa2Cu3O7-∂ FF precursor solutions during pyrolysis: film versus powder.
S. Rasi, J. Farjas, P. Roura, S. Ricart, L. Soler, J. Jareño, T. Puig and Xavier Obradors

6.- New insights in strained ReNiO3 thin films
B. Mundet, J.Gázquez, R.Guzman, J. Jareño, J.C. González-Rosillo, X. Obradors and T. Puig

7.- Physical Properties of Nanostructured, Liquid Assisted Grown, Epitaxial YBa2Cu3O7-x Superconducting Films
J.Banchewski, L.Soler, J.Jareño, R.Guzmán, S.Rasi, J.Farjas, P.Roura, S.Ricart, C.Mocuta, X.Obradors and T.Puig

8.- Colloidal solutions of Nanoparticles in Alcoholic Ionic Environments for Growth of Nanocomposite Fucntional Oxides
N.Chamorro, Z.Li, A.Garzon, P.Cayado, M.Coll, R.Yañez, J.Ros, T.Puig, X.Obradors and S.Ricart

9.- Exceptional self-assembly by citrate bridge formation in LnF3 (Ln=Y, Gd) nanoparticles synthesis
J.Martinez-Esain, J.Faraudo, T.Puig, X.Obradors, J.Ros, S.Ricart and R.Yañez

10.- Synthesis and aplications of Fe3O4@SiO2 nanoparticles and Fe3O4@CNT@SiO2 nanocapsules
C.Lu, S.Sandoval, T.Puig, X.Obradors, G.Tobias, J.Ros and S.Ricart

11.- Switching kinetics and atmosphere influence on La1-xSrxMnO3 and CeO2/ La1-xSrxMnO3 thin films for R-RAM applications
Juan Carlos Gonzalez-Rosillo, B. Arndt, R. Ortega-Hernandez, J.Jareño, B. Mundet, M.Coll, J.Gazquez, R. Dittmann, X. Obradors, A. Palau and T. Puig

12.- Inkjet printing deposition process of metalorganic precursors to reach oxide superconducting thick films
F. Pino, B. Villarejo, C. Pop, B. Mundet, P. Roura, X. Obradors and T. Puig

13.- Chemical co-substitution on multiferroic BiFeO3 thin films for next generation photovoltaics
P.Machado, A.Sánchez, J. Gazquez, X.Obradors, M.Campoy-Quiles, T.Puig and M.Coll

14.- YBa2Cu3O7-x nanocomposite films by CSD-ultrafast Transient Liquid Assisted Growth
J. Jareño, L.Soler, J.Banchewski, N.Chamorro, S. Rasi, R. Guzmán, J.Martínez, S.Ricart, J. Ros, J.Farjas, C. Mocuta, X. Obradors and T. Puig

15.- Preparation of nanostructured YBCO YBa2Cu3O7 - BaMO (M=Zr, Hf) superconductor nanocomposite using colloidal solution with preformed oxide nanoparticles
Z. Li, M. Coll, N. Chamorro, B. Mundet, J. Gazquez, F. Vallés, A. Palau, C. Pop, J. Ros, S. Ricart , T. Puig and X. Obradors

16.- Defect analysis in new liquid-mediated YBa2Cu3O7 thin films
R. Guzman, L. Soler, J. Jareño, J. Banchewski, S. Ricart, X. Obradors and T Puig

17.- Tuning of the electronic structure in High Temperature Superconducting films at nanometric scale
A. Fernandez, J.C. Gonzalez-Rosillo, X. Obradors, A. Palau, N. Mestres and T. Puig

18.- Atomic Layer deposition: Conformal coatings on 3D nanostructures for energy applications
P.Yu, R. Amade, E. Beltran, M. Buyukyazi, T.Puig, X. Obradors, C. Bohr, S. Mathur and M.Coll

19.- Magnetization of rectangular 2G HTS stacks and dragging forces developed inside a multipolar magnetic channel: trapped field, current distribution and forces
M. Carrera, G. Sotelo, J. López, J. Amorós, X. Granados, T. Puig and X. Obradors

20.- Dragging hysteresis forces in a linear displacer with Coated Conductor Stacks
J. López, G. Sotelo, M. Carrera, R. Maynou, X. Granados, T. Puig and X. Obradors

21.- Superconducting Medium Speed Synchronous Electrical Generator for 2MW class of Wind Mills
X. Granados, J. López-López, A. Muñoz, J.L. Rodriguez-Izal, C. Salvatierra, E. Martínez, A.L. Angurel, T. Puig and X. Obradors

22.- Vortex pinning in CSD YBCO nanocomposite films also at ultrahigh magnetic fieldsF.Vallès, A.Palau, Z. Li, B. Mundet, B. Villarejo, C. Pop, F. Pino, M.Coll, J. Gázquez, S. Ricart, X. Obradors and T. Puig

23.- HTS Coated Conductors for CERN's FCC
J. Gutiérrez, S. Calatroni, E. Garcia-Tabarés, P. Chilggiato, I. Korolkov, R. Miquel, M. Pont, F. Perez, J. O'Callaghan, X. Granados and T. Puig

24.- Thick YBa2C3O7-x layers with ink jet printing single deposition
B. Villarejo, Flavio Pino, C. Pop, S. Ricart, P. Roura, J. Farjas, N. Chamorro, J. Ros, X. Obradors and T. Puig

25.- Chemical solution deposition growth of low fluorine thick coated conductors of YBa2Cu3O7 and YBa2Cu3O7 nanocomposites with preformed BZO nanoparticles
C. Pop, B. Villarejo, F. Pino, N. Chamorro, F. Valles, B. Mundet, A. Palau, J. Gazquez, A. Usoskin, S. Ricart, T. Puig and X. Obradors

SPEED FAST POSTER PRESENTATION (2')
11th JULY / 12:55 – 13:20 h

26.- Controlling stoichiometry of Cu-oxide nanoparticles
Koen Lauwaet

27.- Role of surface states on photoelectric properties of BaTiO3 films
I. Fina

28.- Control of magnetic phase transition in FeRh films by strain
I. Fina

29.- Photoelectric effects in LuMnO3 single-crystals
D. Gutiérrez

30.- Different contributions on electroresistance in BaTiO3 films
M. Qian

31.- Electoresistance in ferroelectric devices
M. Qian

32.- Photoconductance in LaAlO3/SrTiO3 interfaces
Chen Yu

33.- Magneto-optical spectroscopy of mesostructured magnetic systems
M. Alizadeh

34.- Structural characterization of ferroelectric phase transitions in BaTiO3 films
F. Liu

35.- Localized heating generated by pulsed surface acoustic waves
B. Casals

36.- A transparent metallic oxide
M. Mirjolet

37.- Structure Solution from single Microvolumes by Synchrotron through-the-substrate microdiffraction
J. Rius, O. Vallcorba, A. Crespi and C. Miravitlles

SPEED FAST POSTER PRESENTATION (2')
11th JULY / 16:55 – 17:30 h

38.- Looking for suitable cathodes for a calcium battery technology
D. Tchitchekova, A. Ponrouch, C. Frontera, A. Sorrentino, F. Barde, M.E. Arroyo-de-Dompablo and M.R. Palacin

39.- Electrosynthesis of graphene suspensions for electrochemical energy storage
E. Perez, E. Pujades, D. Tonti and N. Casañ-Pastor

40.- New hafnium perovskite oxynitrides as water splitting photocatalysts
A.P.Black, H.Suzuki, C.Frontera, C.Ritter, R.Abe and A.Fuertes

41.- Pd nanoparticles on bacterial cellulose templated Al2O3 for catalysis
J. Grzelak, M Gich and A. Laromaine

42.- Epitaxial stabilization of epsilon-Fe2O3 thin films without buffer layer
Z. Ma, J. Gàzquez, F. Sánchez and M. Gich

43.- Multimaterials-nanoparticles by facile microwave-assisted routes
M. Torras, O. Arriaga, P. Sallés, A. May and Anna Roig

44.- Magnetic order and magnetoelectric properties in highly distorted R2CoMnO6 (R=Ho, Tm, Yb and Lu) perovskites
J. Blasco, J. L. García-Muñoz, J. García, G. Subías, J. Stankiewicz, J. A. Rodríguez-Velamazán and C. Ritter

45.- Spin blockade, electronic and spin-state transitions in cobalt oxides investigated by x-ray spectroscopies and neutron diffraction
J. Herrero-Martín, J. Padilla-Pantoja, S. Lafuerza, A. Romaguera, F. Fauth, S. Reparaz and J. L. García-Muñoz

46.- Neutron investigation of the field effects on the incommensurate magnetic spirals and polarization of D-M (Mn,Co)WO4 multiferroics
I. Urcelay-Olabarria, E. Ressouche, A. A. Mukhin, V. Yu. Ivanov, A. M. Kadomtseva, Yu. F. Popov, G. P. Vorob'ev, J. L. García-Muñoz and V. Skumryev

47.- Growth of graphene on diamond by MBE-C source
Javier Mendez

48.- Electrodeposition of bismuth for X-ray absorbers
J.Moral-Vico, N.Casañ-Pastor, P. Strichovanec, R.Jáudenes, A.Camón, C.Pobes and L.Fàbrega

49.- Superconducting microcalorimeters as highly sensitive radiation detectors
L.Fàbrega, A.Camón, C.Pobes, P.Strichovanec, J.Moral-Vico, N.Casañ-Pastor, R.Jáudenes and J.Sesé

50.- Improving the sensitivity of magnetic sensors by field concentration with 3D metamaterials
R. Mach