

Programme - Posters Presentation

30th March

P - 01

George Mousdis

Title Conducting doped ZnO Thin Films prepared by Sol Gel method for Photovoltaic Applications

Room: Poster Session I

Time: 18:00

Authors: G. Mousdis, P. Koralli, M. Kandyla, M. Kompitsas, M. Girtan and D. E. Manolakos

P - 02

Felix Trier

Title Room temperature patterning of complex oxide 2-dimensional electron gases with superior electron mobilities

Room: Poster Session I

Time: 18:00

Authors: F. Trier, G.E.D.K Prawiroatmodjo, M. von Soosten, D. V. Christensen, A. Smith, Y. Z. Chen, T. S. Jespersen, and N. Pryds

P - 03

Hana Ursic

Title Influence of microstructure on the local conduction of (K_{0.5}Na_{0.5})NbO₃ thin films

Room: Poster Session I

Time: 18:00

Authors: Alja Kupec, Hana Uršič, Raluca C. Frunza, Elena Tchernychova and Barbara Malič

P - 04

Mian Akif Safeen

Title Investigation of Interfaces between Band-Insulator Oxides under Light Illumination

Room: Poster Session I

Time: 18:00

Authors: Akif Safeen, Nicola Maraviglia, A. Khare, E. Di Gennaro, U. Scotti di Uccio and F. Miletto Granozio

P - 05

Dirk Groenendijk

Title Sequential pulsed laser deposition of homoepitaxial SrTiO₃ thin films

Room: Poster Session I

Time: 18:00

Authors: D.J. Groenendijk and S. Gariglio

P - 06

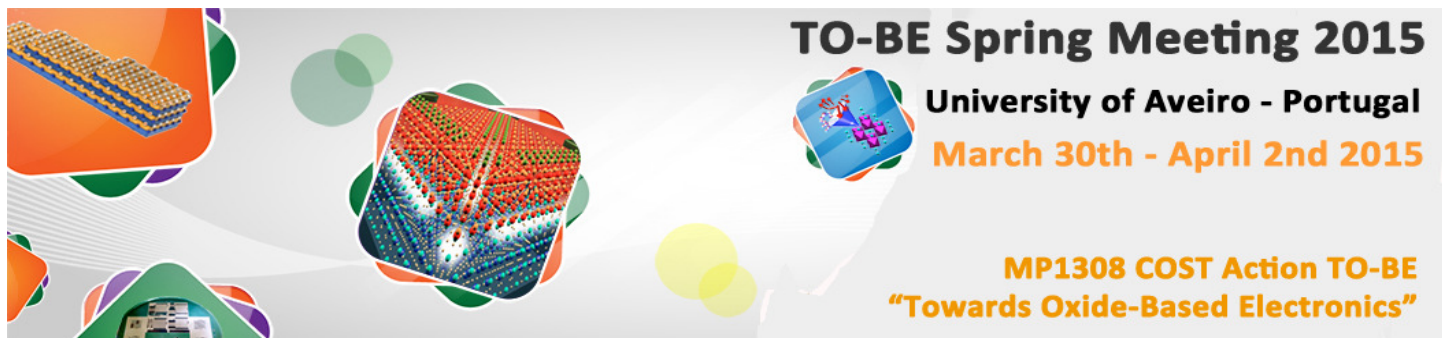
Olena Okhay

Title Conductivity and magnetic properties of GO films with Ni

Room: Poster Session I

Time: 18:00

Authors: Olena Okhay, Luis M. Guerra, João Ventura, Alexander Tkach, Mathias Kläui, Rahul Krishna, Elby Titus and Jose Gracio



TO-BE Spring Meeting 2015

University of Aveiro - Portugal

March 30th - April 2nd 2015

MP1308 COST Action TO-BE
"Towards Oxide-Based Electronics"

Programme - Posters Presentation

P - 07

Ivan Nedkov

Title Superparamagnetic Magnetite Particles

Room: Poster Session I

Time: 18:00

Authors: I. Nedkov, L. Slavov, B. Blagoev

P - 08

Aleksandras Iljinis

Title Structural and ferroelectric properties of lead titanate thin films deposited by reactive magnetron deposition

Room: Poster Session I

Time: 18:00

Authors: Aleksandras Iljinis, Vytautas Stankus

P - 09

Liutauras Marcinauskas

Title Phase transition in lead titanate thin films deposited by reactive magnetron deposition

Room: Poster Session I

Time: 18:00

Authors: Liutauras Marcinauskas, Aleksandras Iljinis, Vytautas Stankus

P - 10

David Dubbink

Title Growth mechanism of epitaxial YSZ on silicon

Room: Poster Session I

Time: 18:00

Authors: D. Dubbink, G. Rijnders, G. Koster

P - 11

Yiftach Frenkel

Title Quantifying the effect of channel-like conduction in LAO/STO interfaces

Room: Poster Session I

Time: 18:00

Authors: Yiftach Frenkel, Zvi Erlich, Yishai Shperber and Been Kalisky

P - 12

Dennis Christensen

Title The interfacial state of γ -Al₂O₃/SrTiO₃

Room: Poster Session I

Time: 18:00

Authors: D. V. Christensen, G. Prawiroatmodjo, F. Trier, Y. Z. Chen, A. Smith, T. S. Jespersen, and N. Pryds

P - 13

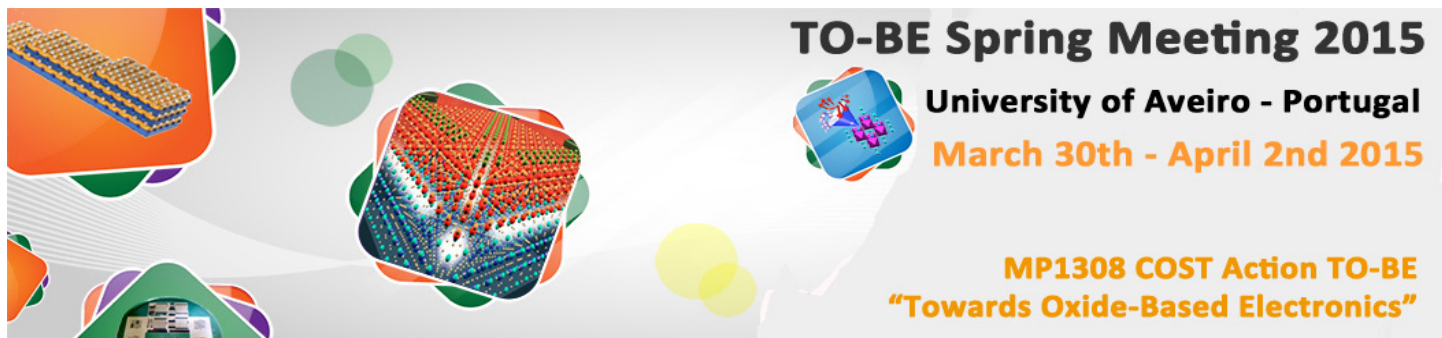
Oleksandr Tkach

Title Magnetoelectric properties of epitaxial Fe₃O₄ thin films on (011) PMN-PT piezosubstrates

Room: Poster Session I

Time: 18:00

Authors: Alexander Tkach, Mehrdad Baghaie Yazdi, Michael Foerster, Felix Büttner, Mehran Vafaei, Maximilian Fries, Mathias Kläui



Programme - Posters Presentation

P - 14

Urszula Wykowska

Title Magnetic core-shell nanowires with oxide layer

Room: Poster Session I

Time: 18:00

Authors: U. Wykowska, B. Kalska-Szostko, D. Satuła

P - 15

Merlin Van Soosten

Title Writing nanoelectronics at the γ -Al₂O₃/SrTiO₃ interface using conducting AFM

Room: Poster Session I

Time: 18:00

Authors: M. von Soosten, D. V. Christensen, S. Lu, G. Prawiroatmodjo, F. Trier, Y. Z. Chen, M. Kirkendall, F. Bi, M. Huang, P. Irvin, J. Levy, N. Pryds, T.S. Jespersen

P - 16

Angela Nigro

Title Normal-state transport properties of epitaxial unreduced Nd_{2-x}Ce_xCuO_{4-d} thin films

Room: Poster Session I

Time: 18:00

Authors: A. Nigro, A. Guarino, P. Romano, A. Avlla, A. Leo, G. Grimaldi, A. Romano

P - 17

Guen Prawiroatmodjo

Title Gate-tunable superconducting 2DEG at the amorphous LaAlO₃/SrTiO₃

Room: Poster Session I

Time: 18:00

Authors: Guenevere EDK Prawiroatmodjo, Felix Trier, Dennis V Christensen, Yunzhong Chen, Nini Pryds, Thomas Sand Jespersen

P - 18

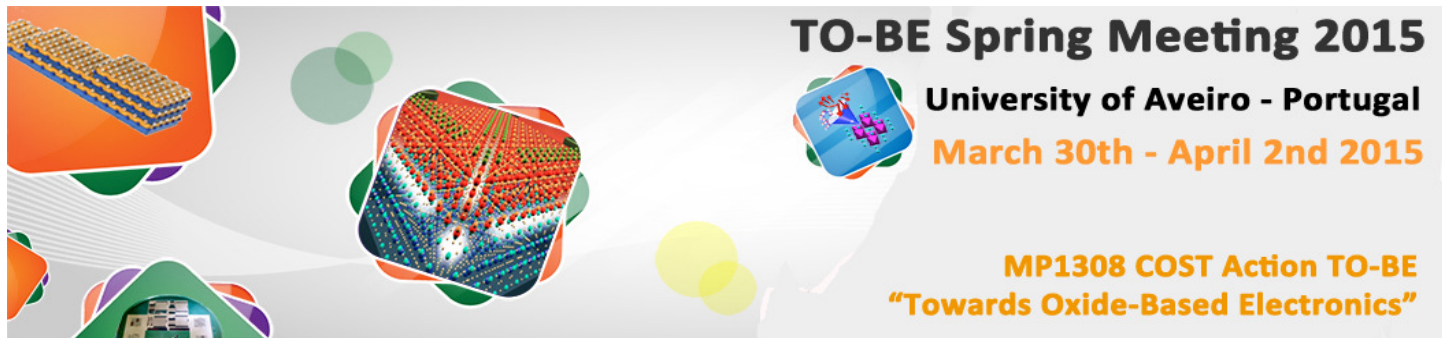
Nuno Ferreira

Title Effects of processing on electrical and magnetic properties of Mg- and Al-substituted magnetite

Room: Poster Session I

Time: 18:00

Authors: N.M. Ferreira, A.V. Kovalevsky, F.M. Costa and J.R. Frade



Programme - Posters Presentation

31st March

P - 19

Hans Boschker

Title Ferromagnetism and conductivity in atomically thin SrRuO₃

Room: Poster Session II

Time: 17:00

Authors: C.R. Hughes, T. Harada, R. Ashoori, A.V. Boris, H. Hilgenkamp, M.E. Holtz, L. Li, J. Mannhart, D.A. Muller, X. Renshaw Wang, D.G. Schlom, A. Soukiassian, H.

P - 20

Leonid Skatkov

Title Metal-semiconductor phase transition in niobium oxide

Room: Poster Session II

Time: 17:00

Authors: L.Skatkov, V.Gomozov

P - 21

Fábio Figueiras

Title Nanometric Bias Induced Phase Transitions in materials.

Room: Poster Session II

Time: 17:00

Authors: Fábio G. N. Figueiras, Igor K. Bdikin, Vitor B. S. Amaral, Andrei L. Kholkin

P - 22

Liliana Mitoseriu

Title Tailoring properties by local field engineering in ferroelectric-based composites

Room: Poster Session II

Time: 17:00

Authors: L. Padurariu, L. Mitoseriu, V. Buscaglia, C. Galassi, P. Vilarinho

P - 23

Martin Bowen

Title Localized states in advanced dielectrics from the vantage of spin- and symmetry-polarized tunneling

Room: Poster Session II

Time: 17:00

Authors: F.Schleicher,U.Halisdemir,D.Lacour,M.Gallart,S.Boukari,G.Schmerber,V.Davesne , P.Panissod,D.Hallev.H.Maiiad.Y.Henrv.B.Leconte.A.Boulard,D.Spor.N.Bever. C.

P - 24

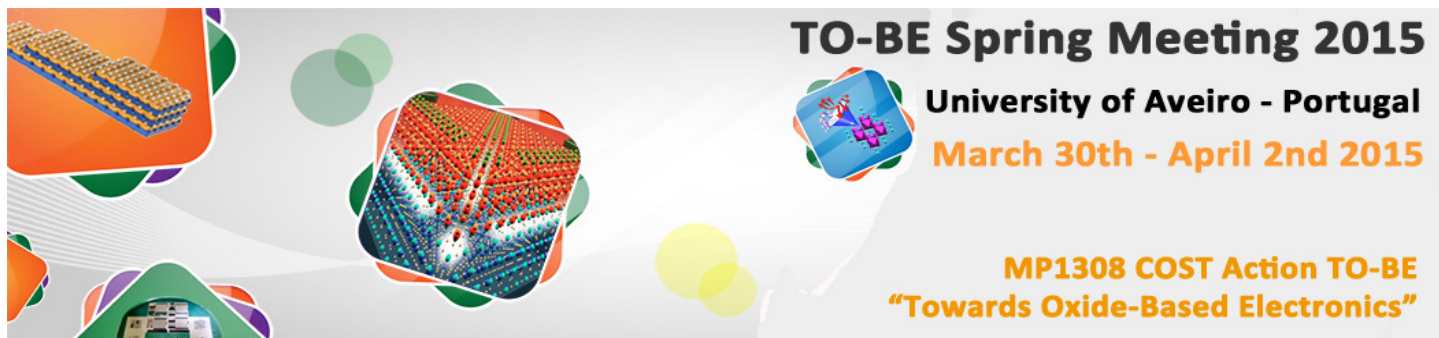
Robert Pullar

Title Magnetic and electrical field mediated magnetoelectric coupling in barium titante - hexagonal M ferrite bulk ceramic composites

Room: Poster Session II

Time: 17:00

Authors: Robert C. Pullar, Harsh Trivedi, Marco Medeiros, Dmitry Karpinski, Vladimir V. Shvartsman, Doru C. Lupascu and Andrei Kholkin



Programme - Posters Presentation

P - 25

Ekaterina Chikoidze

Title Theoretical and experimental study of realization p type conductivity for CuCrO₂

Room: Poster Session II

Time: 17:00

Authors: M. Boshta, T.Tchelidze, M.Neumann-Spallart and E. Chikoidze

P - 26

Alessandro Ricci

Title Complex dynamics and nanoscale phase Separation in complex material

Room: Poster Session II

Time: 17:00

Authors: Alessandro Ricci

P - 27

Burc Misirlioglu

Title Ferroelectric thin films with semiconductor electrodes: Implications for polarization switching, dielectric properties and carrier density control via domains

Room: Poster Session II

Time: 17:00

Authors: I. B. Misirlioglu, M. Yildiz, K. Sendur

P - 28

Patrizio Graziosi

Title Atomic resolved nanostructures and polaronic transport signatures in metallic ferromagnetic epitaxial manganites thin films

Room: Poster Session II

Time: 17:00

Authors: Patrizio Graziosi, Alessandro Gambardella, Mirko Prezioso, Ilaria Bergenti, Alberto Riminucci, Valentin Alek Dediu

P - 29

Eric Bousquet

Title Ferroelectric properties in perovskites: oxides vs fluorites

Room: Poster Session II

Time: 17:00

Authors: A. C. Garcia Castro , A. H. Romero, and E. Bousquet

P - 30

Javier Pérez de la Cruz

Title Structural, electrical and magnetic properties of holmium-modified EuMnO₃ ceramic system

Room: Poster Session II

Time: 17:00

Authors: J. Pérez de la Cruz, P.B. Tavares, Y. Romaguera-Barcelay, J. Agostinho Moreira and A. Almeida

P - 31

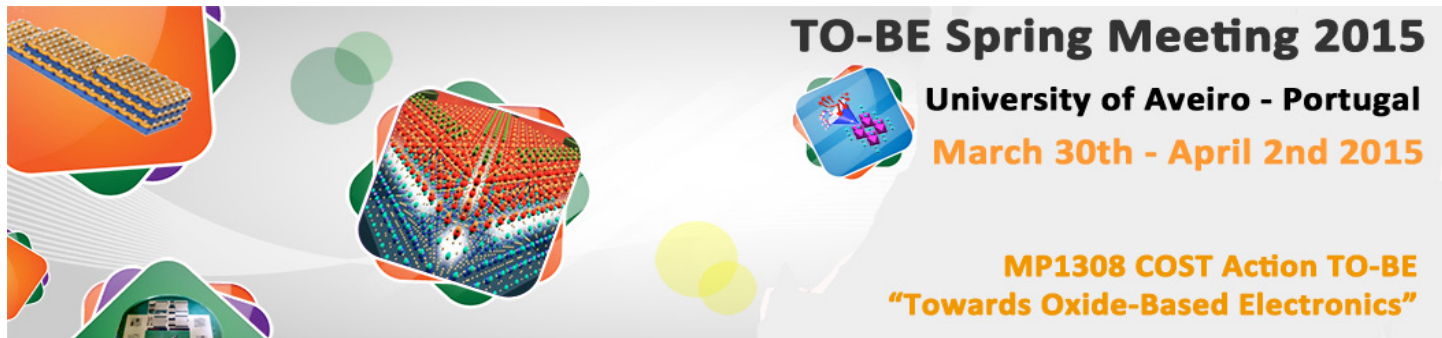
Tanja Pecnik

Title Effect of the rapid thermal annealing temperature on the microstructure and dielectric properties of solution-derived Ba_{0.5}Sr_{0.5}TiO₃ thin films

Room: Poster Session II

Time: 17:00

Authors: Tanja Pečnik,, Sebastjan Glinšek, Barbara Malič



Programme - Posters Presentation

P - 32

Rui Vilão

Title Hydrogen polaron in TiO₂ investigated by μ SR

Room: Poster Session II

Time: 17:00

Authors: R. C. Vilão, R. B. L. Vieira, H. V. Alberto, J. M. Gil, A. Weidinger, J. S. Lord, B. B. Baker, P. W. Mengyan, R. L. Lichti

P - 33

Ricardo Vieira

Title Hydrogen in Yttrium Stabilized Zirconia: A μ SR Perspective

Room: Poster Session II

Time: 17:00

Authors: R. B. L. Vieira, R. C. Vilão, P. M. Gordo, A. G. Marinopoulos, a H. V. Alberto, J. M. Gil, A. Weidinger, J. S. Lord

P - 34

Musa Can

Title s-d and p-d interactions in (Zn_{1-x}Cox)O (x=0, 0.01 and 0.1) thin films investigated with magneto-electrical analyses

Room: Poster Session II

Time: 17:00

Authors: Musa Can

P - 35

Emre Mulazimoglu

Title Investigating the effect of electrostatic nanoscale confinement on magnetotransport at the LaAlO₃/SrTiO₃ interface

Room: Poster Session II

Time: 17:00

Authors: Emre Mulazimoglu, Srijit Goswami, Lieven M. K. Vandersypen and Andrea D. Caviglia

P - 36

Lavinia-Petronela Curecheriu

Title Non-linear dielectric properties in ferroelectric-based ceramics: material design, experiment and modelling

Room: Poster Session II

Time: 17:00

Authors: Lavinia-Petronela Curecheriu, Leontin Padurariu, Maria Teresa Buscaglia, Vincenzo Buscaglia and Liliana Mitoseriu

P - 37

Sarunas Bagdzevicius

Title Structural and electrical characterization of epitaxial Ba_{0.7}Sr_{0.3}TiO₃ thin films

Room: Poster Session II

Time: 17:00

Authors: Š. Bagdzevičius, R. Mackevičiūtė, M. Ivanov, N. Setter, and J. Banys

P - 38

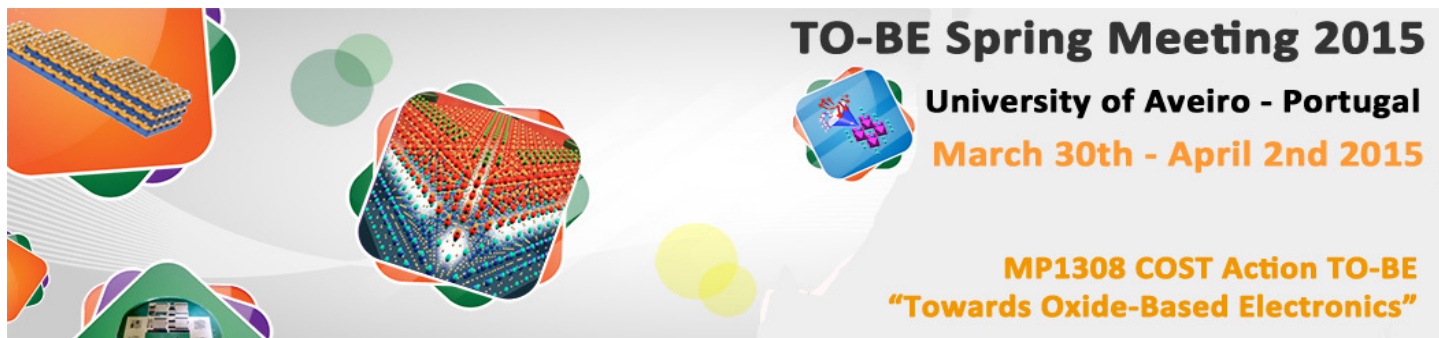
Magnus Moreau

Title Oxygen vacancy ordering control of a spin polarized electron gas in layered La_{0.7}Sr_{0.3}MnO₃- δ

Room: Poster Session II

Time: 17:00

Authors: Magnus Moreau, Sverre Magnus Selbach, Thomas Tybell



Programme - Posters Presentation

P - 39

Elena Buixaderas

Title A new way of evaluating the Raman spectra of disordered oxides

Room: Poster Session II

Time: 17:00

Authors: E. Buixaderas, I. Gregora, J. Hlinka

P - 40

Marco Malvestuto

Title Exploring competing magnetic ground-states in the triple layered $\text{Sr}_4\text{Ru}_3\text{O}_{10}$: an ultrafast optical study.

Room: Poster Session II

Time: 17:00

Authors: Marco Malvestuto

P - 41

Martin Zwiebler

Title Impact of soft x-rays on the field effect in $\text{SrTiO}_3/\text{LaAlO}_3$ heterostructures

Room: Poster Session I

Time: 17:00

Authors: Martin Zwiebler, Enrico Schierle, Emiliano Di Gennaro, Fabio Miletto Granozio, Jochen Geck

P - 42

Marra Pasquale

Title Josephson current and Majorana bound states in a nanowire with spin-orbit interaction

Room: Poster Session II

Time: 17:00

Authors: Pasquale Marra, Roberta Citro, Alessandro Braggio

P - 43

Martin Stehno

Title Lateral probing of the $\text{LaAlO}_3/\text{SrTiO}_3$ two-dimensional electron liquid

Room: Poster Session II

Time: 17:00

Authors: M.P. Stehno, A.E.M. Smink, H. Hilgenkamp, and A. Brinkman