| Session 1 (20 june) | Poster | Author | Title |
|---|---|---|---|
| Films, Interfaces and Low-Dimensional systems | A.01 | Wolfgang Stein | Laser heating of HTSC substrates: Challenges, problems, and solutions |
| | A.02 | Alessandro Leveratto | MgxZn1-xO/ZnO heterostructures: realization and high magnetic field characterization |
| | A.03 | Andrea Gerbi | Investigation of resistive switching behavior and nanoscale electronic transport of Au/Nb-doped SrTiO3 junctions |
| | A.04 | Alessandro Gadaleta | Mobility enhancement by UV irradiation in polar/non-polar oxide heterointerfaces |
| | A.05 | Alessandro Gambardella | Atomic resolution by scanning tunnelling microscopy on ultrathin La0.7Sr0.3MnO3 films |
| | A.06 | Edoardo Albisetti | Magnetic tunneling junctions for biomolecular detection |
| | A.07 | Edouard Lesne | Spin injection at the LaAlO3/SrTiO3 interface |
| | A.08 | Emmanuele Cappelluti | Infrared phonon activity and Fano interference in multilayer graphenes |
| | A.09 | Fabio Moia | Defects associated with the ultrathin La2/3Sr1/3MnO3/SrTiO3: A Positron Annihilation Spectroscopy Study |
| | A.10 | Ivana Vobornik | Magnetic Proximity effect as a pathway to spintronic applications of topological insulators |
| | A.11 | Karen Constantinian | Superconducting heterostructure with hybrid magnetic interlayer |
| | A.12 | Luigi Maritato | Superconductivity in electron-doped infinite-layer cuprate Sr1-xLaxCuO2 thin films deposited by shuttered molecular beam epitaxy |
| | A.13 | Marco Grilli | Metal-to-superconductor transition in two-dimensional electron systems: mesoscopic disorder and intrinsic charge instability from Rashba coupling |
| | A.14 | Marco Salluzzo | Nanoscale modulation of the local density of states at the interface between LaAlO3 and SrTiO3 band insulators |
| | A.15 | Paola Di Pietro | Optical conductivity of Bismuth-based topological insulators |
| Nanostructured materials and devices | A.16 | Francesca Telesio | Electrical spin injection in all-oxides crystalline heterostructures |
| | A.17 | Nicola Manca | Mechanical detection of phase transitions in transition metal oxides thin films |
| | A.18 | Roberto De Luca | Skewness in the current-phase relation of double-barrier Josephson |
| | A.19 | Christian Rinaldi | Optical spin orientation in Ge probed by the spin filtering in Fe/MgO/Ge photodiodes |
| | A.20 | Matteo Cantoni | MgO-based spin photodiodes on Ge: growth and characterization |
| | A.21 | Roberto Mantovan | Development of chemical vapor- and atomic layer-deposition methods for spintronic applications |
| | A.22 | Shuang Liu | Thermally isolated La0.7Sr0.3MnO3 suspended bridges on silicon substrate for uncooled bolometers |
| | A.23 | Silvia Franz | Synthesis of Au/NiO/Au nanowire arrays for ReRAM applications |
| Magnetic oxides | A.24 | Karen Yates | Spin mixing, spin triplet proximity effects and spin polarisation: Can CrO2 continue to surprise? |
| | A.25 | L.F. Cohen | The Magnetocaloric Effect: Prospect for Manganites |
| | A.26 | L.F. Cohen | Defining the first order phase transition |
| | A.27 | Bruce Davidson | Exchange bias in manganite bilayer films |
| | A.28 | Ekaterina Chikoidze | Electronic and magneto transport properties of the Fe1.5Ti0.5O3-δ magnetic conductive oxide |
| | A.29 | Graziosi Patrizio | Polaronic transport in the metallic phase of epitaxial La0.7Sr0.3MnO3 thin films |
| | A.30 | Sheng Wu | Low frequency noise in La0.7Sr0.3MnO3 thin films on various substrates at 300 K |
| Strongly Correlated Systems | A.31 | Giuseppe Guarnaccia | Rigorous results on the Hubbard model with spin orbit coupling: a lattice gauge theory approach |
| | A.32 | Marcello Acquarone | Effective electronic Hamiltonian for a dimer with on- and inter-site electron-phonon interactions: a non-perturbative evaluation of renormalized electronic interactions. |

| Session 2 (21 june) | Poster | Author | Title |
|---|---|---|---|
| Dielectrics, ferroelectrics and multiferroics | B.01 | Dzmitry Karpinsky | Electric-field induced structural transition in Bi1-xLaxFeO3 ceramics |
| | B.02 | Evgeny Plekhanov | Influence of oxygen vacancies on the magnetoelectric coupling in the Fe/BaTiO3 interfaces |
| | B.03 | Paolo Barone | Mechanism of ferroelectricity in d3 perovskites: a model study |
| | B.04 | Vladimir Khomchenko | Effect of Pr and Mn (co)substitution on crystal structure and magnetic properties of BiFeO3 multiferroic |
| | B.05 | Alessandro Stroppa | Multiferroicity and Magnetoelectricity in a Metal-Organic Framework |
| | B.06 | Greta Radaelli | Correlation between growth dynamics and dielectric properties of epitaxial BaTiO3 films |
| Superconductive materials:properties and applications | B.07 | Alberto Martinelli | Microstructural analysis of the tetragonal to orthorhombic transition and nematic orbital ordering in 1111 Fe superconductors |
| | B.08 | Andrea Gerbi | Superconducting FeSe0.5Te0.5 thin films: a morphological and structural investigation with scanning tunnelling microscopy and X-ray diffraction |
| | B.09 | Aurelio Agliolo Gallitto | Microwave response of coaxial cavities made of bulk MgB2 |
| | B.10 | Bucheli Daniel | Metal-to-superconductor transition in two-dimensional electron systems: mesoscopic disorder |
| | B.11 | Giacomo Prando | μSR in RECoAsO and RECoPO under hydrostatic pressure |
| | B.12 | Laura Fanfarillo | Current-current fermi-liquid corrections to the superconducting fluctuations on conductivity and diamagnetism |
| | B.13 | Leandro Calore | Insight into non linearly shaped superconducting micro-crystals via synchrotron nano-probe |
| | B.14 | Matteo Capati | Ferronematic order in underdoped cuprates |
| | B.15 | Noce Canio | Fluctuation conductivity of SrFe2As2 single crystal in a magnetic field |
| | B.16 | Pietro Bonfa' | Probing the ground state of undoped and optimally doped REFe1-yRuyAsO1-xFx (RE=La, Sm) by isoelectronic Ru/Fe substitution. |
| | B.17 | Samuele Sanna | Pressure effect on the magnetic and superconducting properties of REFeAsO1-xFx (RE=Sm, Ce, La) |
| | B.18 | Samuele Sanna | Tuning the interplay between magnetism and superconductivity in optimally F doped REFe1-xRuxAsO with RE=Sm, Nd, La |
| | B.19 | Alessandro Sola | Field effect experiments with electrochemical gating in metallic and superconducting films |
| | B.20 | Anita Guarino | Correlation between structural and transport properties in epitaxial films of Nd2-xCexCuO4±d. |
| | B.21 | Antonio Leo | Quasiparticle energy relaxation time in type-II superconductors |
| | B.22 | Carla Cirillo | Effect of Inhomogeneous Magnetization on the Superconducting Properties of Nb/Py/Nb Trilayers: Evidence of Spin-Triplet Superconductivity |
| | B.23 | Emilio Bellingeri | Tuning of superconducting properties of Fe(Se,Te) by thin film technology |
| | B.24 | Federico Caglieris | Nernst effect of Iron-based superconductors |
| | B.25 | Giacomo Prando | AC susceptibility investigation of vortex dynamics in nearly-optimally doped REFeAsO1−xFx superconductors (RE = La, Ce, Sm) |
| | B.26 | Karen Yates | Point contact Andreev reflection spectroscopy of FeSe0.44Te0.56 single crystals, understanding electron-boson coupling |
| | B.27 | Massimiliano Polichetti | The effect of the AC field frequency and of the grains shape on the bulk inter-grain current of polycrystalline iron-based superconductors |
| | B.28 | Paola Gentile | Odd-Frequency Triplet Pairing in Mixed-Parity Superconductors |
| | B.29 | Paola Pecchio | Point-contact Andreev-reflection spectroscopy in Fe-based superconducting thin films |
| | B.30 | Sara Galasso | Phenomenology of LiFeAs explained in the framework of multiband s+- Eliashberg theory |
| | B.31 | Angelo Agostino | Synthesis of MgB2 enhanced by monomodal microwave oven |