

## LIST OF PRESENTATIONS

### ORAL COMMUNICATIONS

#### Dielectrics, ferroelectrics and multiferroics

- No. 33 - Magneto-ionic effects in CoFeB/GdO<sub>x</sub>.  
L. Baldrati, Milano
- No. 50 - Memristive ferroelectric tunnelling junctions for applications in neuromorphic networks.  
M. Asa, Milano
- No. 66 - Electric field-induced transitions and technological implications.  
G. Viola, Torino

#### Graphene and other low-dimensional materials

- No. 34 - Large gap electron-hole superfluidity and shape resonances in coupled graphene nanoribbons.  
A. Perali, Camerino
- No. 37 - Layer-dependent quantum cooperation of electron and hole states in the anomalous semimetal WTe<sub>2</sub>.  
D. Di Sante, L'Aquila
- No. 45 - 3-dimensional graphene.  
S. Lupi, Roma
- No. 51 - Novel Ba doped graphene reconstruction.  
G. Profeta, L'Aquila
- No. 57 - BKT transition in thin superconducting films and artificial nanostructures.  
I. Maccari, Roma
- No. 73 - Ultra slow reverse saturable absorption of graphene oxide dispersions.  
N. Ghofraniha, Roma
- Nr. 96 - Nanoscale characterization of the thermal conductivity of supported graphite nanoplates, graphene and few-layer graphene.  
M. Tortello, Torino

#### Large scale application of superconductors

- No. 46 - Study of superconducting Tl(1223) coatings for beam impedance mitigation in the FCC.  
S. Calatroni, Genova
- No. 52 - Test results of the DEMO TF conductor designed by ENEA.  
V. Corato, Frascati
- No. 81 - Analysis of the tests of the superconducting Cable in Conduit Conductors for the ITER project.  
M. Breschi, Bologna
- No. 85 - From ITER to DEMO: how the lessons learnt in the analysis of the cooling of the ITER superconducting magnets could help in the design of the DEMO magnet system.  
R. Bonifetto, Torino

No. 97 - HTS DC transmission and distribution as an enabler for increased penetration of renewable generation.  
A. Morandi, Bologna

## Magnetic oxides

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C. Castellano, Milano

No. 31 - Magnetic properties of CoO/Fe(001) with controlled interfacial properties.  
A. Brambilla, Milano

No. 49 - Strong spin-orbit driven magnetism in eg1 Mott insulating state.  
F. Forte, Salerno

No. 82 - (La,Sr)MnO<sub>3</sub>-based MicroElectromechanical Systems.  
F. Remaggi, Genova

## Nanostructured materials and devices

No. 18 - Size control of charge-orbital order and orbital-selective Mottness in nanoscopic La-doped Manganites.  
A. Valli, Trieste

No. 41 - High dose effects by synchrotron radiation nanobeams: a novel non-destructive patterning technique for Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+δ</sub>, and possibly for other oxides.  
M. Truccato, Torino

## Oxide interfaces and heterostructures

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A. Galdi, Fisciano

No. 59 - TeraFERMI: a new beamline at Free Electron Laser FERMI for non linear THz spectroscopy.  
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No. 60 - Chemical and structural properties of Chromium oxide films on ferroelectric BaTiO<sub>3</sub> templates.  
M. Cantoni, Milano

No. 69 - Interplay of structural, ferroelectric and magnetic properties at the BaTiO<sub>3</sub> / La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub> interface.  
G. Vinai, Trieste

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## Strongly correlated systems

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S. Pagano, Salerno
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- No. 36 - Multi-gap superconductivity and interaction driven resonances in superconducting films with an insulating thin layer.  
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## Topological insulators and superconductors

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- No. 58 - Understanding the Transport Properties and the Topological Character of  $\text{ZrTe}_5$ .  
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