

Session Program

7-11 Jul 2014



ICEC/ICMC 2014 Conference

Wed-Mo-Orals Session 9

Wednesday 9 July

11:00

Wed-Mo-Orals Session 9: BSCCO, MgB₂, Fe-pnictides and New Superconducting Materials

Session | Location: WA4 | Convener: Dmytro Abraimov

11:00-11:30

[Special Invited Oral: 2014 ICMC Award for Excellence Winner] Key microstructural features of Bi2212 and Bi2223: why is the J_c of highly textured Bi2223 smaller than that of isotropic high J_c Bi2212 round wires?

Speaker

Dr Fumitake Kametani

11:30-11:45

Design and development of high current density, oxide based superconductors with mechanical properties enabling their use in very high field magnets

Speaker

Dr Alexander Otto

11:45-12:00

5T class superconducting bulk magnet using MgB₂ bulk doped with Ti

Speaker

Dr Tomoyuki Naito

12:00-12:15

Novel Critical Current Estimation Method for Internal-Mg-diffusion-processed MgB₂ Wires Based on Magnetic Microscopy

Speaker

Prof. Kohei Higashikawa

12:30-12:45

Low Temperature- High Field performances of Iron chalcogenides thin films

Speaker

carlo ferdeghini

12:45-13:00

Engineering room-temperature superconductors via ab-initio calculations

Speaker

Dr Armen Gulian

13:00