

MaMaSELF Status Meeting 2015

Wednesday, 27 May 2015

Student Sessions: Early Morning Session Wednesday (I) - Main Lecture Hall (08:45 - 10:30)

-Conveners: Martin Meven

time	[id] title	presenter
08:45	[60] Temperature dependent oxygen disorder in Pr(2-x)Sr(x) NiO(4+δ) by high-resolution single crystal neutron diffraction on HEIDI@MLZ	Mr MAITY, Sumit Ranjan
09:15	[48] Next Generation III-V Nanowire-based Heterostructure Solar Cells and Photodetectors Integrated on Silicon	Mr XU, XiaoMo
09:45	[43] Power Die Embedding in a Power Electronics Converter	Mr LEITE PINTO, RODRIGO

Student Sessions: Later Morning Session Wednesday (II) - Main Lecture Hall (10:45 - 12:45)

-Conveners: Werner Paulus

time	[id] title	presenter
10:45	[59] High temperature chemical reactivity of potential SOFC materials in dry and wet gas atmospheres investigated by thermal analysis and in situ neutron powder diffraction	Mrs MOLLON, Tamara
11:15	[41] Developing High Entropy Alloys for High Temperature Applications	Mr KIRAY, Cagri
11:45	[63] Interplay between structural complexity and magnetism in non-stoichiometric Pr ₂ NiO(4+d) single crystals.	Mr MISHRA, Shantanu

Student Sessions: Early Afternoon Wednesday (III) - Main Lecture Hall (14:00 - 16:00)

-Conveners: Sergio Di Matteo

time	[id] title	presenter
14:00	[55] "The electronic structure of luminescent centers in doped phosphors"	Ms ALI, Asmaa
14:30	[40] The combined effect of recycled aggregate implementation and cement overdosage on the durability properties of high performance concrete	Mr COLLIN, Theo
15:00	[45] Monte Carlo Simulation of Terahertz Quantum Cascade Lasers	Mr EZHOV, Ivan
15:30	[58] Magnetoresistance in electron under-doped cuprate superconductor Nd _{2-x} Ce _x CuO ₄	Mr ALSHEMI, Ahmed

Thursday, 28 May 2015

Student Sessions: Early Morning Session Thursday (IV) - Main Lecture Hall (08:30 - 10:00)

-Conveners: Sergio Di Matteo

time	[id] title	presenter
09:00	[50] Tracking the photo-induced phase transition in breathing-crystals	Mr WALFORT, Sebastian
09:30	[49] Substrate-effect on Structural and Orientational properties of ZnO Thin Film-systems Grown by Pulsed Laser Deposition	Mr GARBUS, Pelle

Student Sessions: Later Morning Thursday (V) - Main Lecture Hall (10:30 - 12:30)

-Conveners: Werner Paulus

time	[id] title	presenter
10:30	[54] CDW - MH phase transition in $[\text{Pd}(\text{cptn})_2\text{Br}]\text{Br}_2$ studied by 3D-PDF	Mr ZATTERIN, Edoardo
11:00	[42] Synthesis and study of piezoelectric materials in α -quartz family	Mr MASLENNIKOV, Daniel
11:30	[51] Investigating the magnetic structure of Ruthenium based 2H-perovskites.	Mr RIBEROLLES, Simon

Student Sessions: Early Afternoon Thursday (VI) - Main Lecture Hall (14:00 - 16:00)

-Conveners: Juerg Schefer

time	[id] title	presenter
14:00	[44] Mechanical design and instrumentation of a tribology device	Mr GUYON LE BOUFFY, Joseph
14:30	[52] Synthesis & Kinetics of Nanostructured Calcium Silicate Hydrates (C-S-H) with high Ca/Si ratio for applications in eco-friendly cement & concrete	Mr SRINIVASAN, Bhuvanesh
15:00	[38] Charge Density Wave Order in Doped Praseodymium Nickelate studied by Resonant Soft X-ray Scattering	Mr D'ACIERNO, Francesco
15:30	[53] Platinum Ruthenium Core-shell Nanoparticles for H ₂ oxidation kinetics in alkaline media	Ms LI, Anqi

Student Sessions: Later Afternoon Session Wednesday (VII) - Main Lecture Hall (16:30 - 18:30)

-Conveners: Michal Banaszak

time	[id] title	presenter
17:00	[56] Hybrid Assemblies Based on Plasmonic Semiconductors	Mr ERGÖÇMEN, Doruk
17:30	[47] Experimental setup of HHG-ARPES and first test measurement on Au (111)	Mr ZOU, Junwen