



# 9th MaMaSELF Status Meeting 2017

## Wednesday, 17 May 2017

### Student Session: Wednesday Early Morning - Main Lecture Hall (08:45 - 10:15)

-Conveners: Christine Papadakis

time	[id] title	presenter
08:45	[9] Making Ptychography and CDI comparison	Mr YANG, Ziyue
09:15	[4] Structural investigation of two pH-responsive block copolymers using synchrotron-SAXS	Mr OLIVEROS COLÓN, Victor
09:45	[21] Microstructural and electrical characterization of superconducting MgB <sub>2</sub> thick films produced by aerosol deposition technology	Mrs AKIN ALBAYRAK, Tugce

### Student Session: Wednesday Late Morning - Main Lecture Hall (10:45 - 12:15)

-Conveners: Wolfgang Schmahl

time	[id] title	presenter
10:45	[19] Fabrication of LaMnO <sub>3</sub> epitaxial films via electron beam physical vapor deposition	Mr ALBAYRAK, Ismail Can
11:15	[10] Seeing atoms and electrons in motion	Mr IBRAHIM, Mohamed
11:45	[11] CVD Growth and Characterization of Atomically Thin Transition Metal Dichalcogenides	Ms BISWAS, Banani

### Student Session: Wednesday Early Afternoon - Main Lecture Hall (13:45 - 16:15)

-Conveners: Martin Meven

time	[id] title	presenter
13:45	[14] Ordering mechanism in NiMn-based Heusler alloys	Ms CHIU, PINYI
14:15	[8] Exploring oxygen diffusion mechanisms of Pr <sub>2</sub> NiO <sub>4+δ</sub> as a function of oxygen partial pressure at high temperature via single crystal neutron diffraction	Mr MAGRO, Fernando
14:45	[7] Understanding Mechanical Response Mechanisms of Modern Engineering Alloys	Mr MARTINEZ CORTES, Guillermo

# Thursday, 18 May 2017

## Student Session: Thursday Early Morning - Main Lecture Hall (08:45 - 10:15)

-Conveners: Winfried Petry

time	[id] title	presenter
08:45	[0] Photocatalytic properties of TiO <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> nanocomposite surfaces deposited by combined Langmuir and Atomic Layer Deposition techniques	Mr BARBÉ, Enzo
09:15	[22] Ultrafast photo-induced dynamics in bi-stable charge transfer materials.	Mr AZZOLINA, Giovanni
09:45	[20] Processing and characterization of diamond nanocrystals for applications in biosensing	Ms MARTINEZ CANTU, Brenda Berenice

## Student Session: Thursday Late Morning - Main Lecture Hall (10:45 - 12:15)

-Conveners: Werner Paulus

time	[id] title	presenter
10:45	[16] Nanoporous titania/silica hybrid electrodes for lithium ion batteries	Mr ZHANG, Kejie
11:15	[18] Lithium-ion containing block copolymer electrolytes for rechargeable lithium batteries	Ms ZHANG, Yinong
11:45	[5] Pressure dependence of the crystal and electronic structure of iridium fluorides studied by XRPD and RIXS	Ms YAO, YI

## Student Session: Thursday Early Afternoon - Main Lecture Hall (13:45 - 16:15)

-Conveners: Juerg Schefer

time	[id] title	presenter
13:45	[6] Graphene/Ferromagnetic fundamental structures investigated at the atomic level using advanced synchrotron X-ray spectroscopies and STM/AFM scanning microscopy	Mr BLEU, Yannick Mexon
14:15	[17] Characterization of doped GaAs-AlGaAs core-multishell nanowire lasers	Mr WANG, WenChing
14:45	[23] XANES and EXAFS analysis of Li <sub>x</sub> Mn <sub>2</sub> O <sub>4</sub> as thin-film cathode material for lithium-ion batteries	Mr SETTIPANI RAMIREZ, Daniel Alejandro

## Student Session: Wednesday Later Afternoon - Main Lecture Hall (16:30 - 17:00)

-Conveners: Werner Paulus

time	[id] title	presenter
16:30	[13] The Electronic Structure of Mononuclear Manganese Compounds: Insights from Experimental and Theoretical X-ray Absorption Spectroscopy	Ms HUANG, Juanjuan