



# 15th European Vacuum Conference (EVC-15)

## Tuesday 19 June 2018

### Surface Science & Applied Surface Science: 1 - Room 3 (13:20 - 15:00)

-Conveners: Jürgen W. Gerlach

time	[id] title	presenter
13:20	[260] Grain boundary segregation in binary alloys: Prediction of thermodynamic characteristics and interaction coefficients	Prof. LEJČEK, Pavel
13:40	[228] "Devil's staircase" of phase transitions in the model of dimer adsorption: computational study of thermal stability	Dr FEFELOV, Vasilily
14:00	[229] Surface Science Modelling and Simulation Toolkit - bridging the gap between theory and experiment for self-assembled monolayers	STISHENKO, Pavel
14:20	[254] Microscopic insights on properties of morphologically complex materials using advanced synchrotron-based methods	Dr KISKINOVA, Maya

### Surface Science & Applied Surface Science: 1 - Room 3 (15:20 - 16:40)

-Conveners: Jürgen W. Gerlach

time	[id] title	presenter
15:20	[213] Argon Cluster XPS Depth Profiling of Metal Oxide Thin Films	Dr BAKER, Mark
15:40	[292] Scanning helium microscopy (SHeM), contrast mechanisms, resolution and sensitivity in a new imaging technique	WARD, David
16:00	[285] One-photon and two-photon photoemission studies on hydrogenated TiO <sub>2</sub> surfaces	Prof. FUKUTANI, K.
16:20	[340] Photoelectron spectroscopy using high-order harmonics at megahertz repetition rates: study of correlated electron pairs in solids	Dr CHIANG, Cheng-Tien

## Wednesday 20 June 2018

### Surface Science & Applied Surface Science: 2 - Room 3 (09:30 - 10:30)

-Conveners: Mark Baker

time	[id] title	presenter
09:30	[230] Coordination self-assembly of terephthalic acid molecules and Fe on Cu(100) surface: phase diagram from statistical simulation	GORBUNOV, Vitaly
09:50	[223] Surface properties of TiO <sub>2</sub> (011) and Mg:TiO <sub>2</sub> (011)	VERDINI, alberto
10:10	[122] Oxygen Reduction Reaction Activity for Surface-strain-controlled Pt-M(111) Model Catalyst Surfaces Prepared in UHV	WADAYAMA, Toshimasa

### Surface Science & Applied Surface Science: 2 - Room 3 (10:50 - 12:10)

-Conveners: Mark Baker

time	[id] title	presenter
10:50	[361] Bottom-up fabrication of atomically precise graphene nanoribbons	RUFFIEUX, Pascal
11:30	[336] Highly selective covalent organic functionalization of epitaxial graphene: a platform nano-bio-hybrid composites	Prof. MARTÍN-GAGO, José Ángel
11:50	[338] Secondary Electron Emission Study of Nanometric Carbon Coatings	Prof. ISABEL, Montero

### Surface Science & Applied Surface Science: 3 - Room 3 (13:20 - 15:00)

-Conveners: Maya Kiskinova

time	[id] title	presenter
13:20	[139] Anomalous behavior of the magnetization at the surface of Fe <sub>3</sub> O <sub>4</sub> (100)	Mr KAWAUCHI, Taizo
13:40	[312] Laser-SARPES study of spin-texture of Sn atomic layer at graphene/SiC(0001) interface	Prof. KOMORI, Fumio
14:00	[131] One-dimensional phosphorus chain and two-dimensional blue phosphorene grown on Au(111) by molecular-beam epitaxy	Ms ZHANG, Jun-Qiu
14:20	[111] Fine Analysis of Surface Structure by using Kikuchi Envelope of Reflection High-Energy Electron Diffraction	SHIGETA, Yukichi
14:40	[141] Plasma electrolytic oxidation of niobium in silicate electrolyte	Dr ALIASGHARI, Sepideh

### Surface Science & Applied Surface Science: 3 - Room 3 (15:20 - 16:40)

-Conveners: Maya Kiskinova

time	[id] title	presenter
15:20	[352] The role of Ga in the acetylene hydrogenation on PdGa intermetallic	Dr JUAN, Alfredo
15:40	[311] The effect of gold particle size on the activity of Au/TiO <sub>2</sub> catalyst in the hydrogenation of CO <sub>2</sub>	Dr OSZKÓ, Albert
16:00	[320] Exotic behaviour of topological semimetal SB (111)	Mr SMIRNOV, Anton
16:20	[326] Strain relaxation and epitaxial relationship of perylene overlayer on Ag(110).	BOBROV, Kirill