

**MC7 Supported metal nano-particles and alloys for catalytic applications I**

Wednesday, 4 September, morning

Chair(s):

Room:

Hours	ID	Name	Type	Title
10h30-11h00	12440	Konstantin M. Neyman	Invited	How oxide supports affect transition-metal particles in catalytic nanomaterials
11h00-11h30	12650	Luca Vattuone	Invited	Ni and NiO nanoclusters on ultrathin MgO films
11h30-11h45	13412	Mirali Jahangirzadeh Varjovi	Oral	Density Functional Theory Investigation of X55 (X: Ni, Pd, and Pt) Nanoclusters on MgO (100) and MgO (100)/Ag(100) Support: Toward Realistic Models of Supported Catalytic Particles
11h45-12h00	15565	Federico Piciacchia	Oral	Functionalization of Titanium Dioxide to Prevent Lithium Dendrites Formation: A DFT Study
12h00-12h15	13878	Andreia F. Peixoto	Invited	Strategic metal-support interactions to improve the performance of heterogeneous catalysts
12h15-12h30	15566	Letizia Savio	Oral	Role of interface oxygen in the growth of monolayer MgO island on Ag(100)

MC7 Supported metal nano-particles and alloys for catalytic applications II

Wednesday, 4 September, afternoon

Chair(s):

Room:

Hours	ID	Name	Type	Title
16h00-16h30	12979	Gareth S. Parkinson	Invited	"Single-Atom" Catalysis: Atomic-Scale Insights
16h30-16h45	13772	Sylwia Klejna	Oral	DFT study of metal precursor pulse in atomic layer deposition of Pt
16h45-17h00	13146	Li Ma	Oral	Pt-Bi ₂ Se ₃ (0001) Heterostructures: Interfacial Dynamics and HER Activity
17h00-17h15	14885	Anna Zielińska-Jurek	Invited	The effect of photocatalyst surface on photodegradation of persistent organic pollutants
17h15-17h30	14884	Gianvito Vilé	Invited	Decarboxylative C(sp ³)-C(sp ³) Cross-Coupling Using Ni-Based Carbon Nitride Photocatalyst
17h30-18h00	15564	José R. B. Gomes	Oral	MXenes as potential heterogeneous catalysts