



LIST OF PRESENTERS

1. Dr David Muñoz-Rojas, CNRS, Laboratoire des Matériaux et du Génie Physique, Grenoble, France

“SPRINT: pushing Thin Film Deposition to the next level”

Dr. David Muñoz-Rojas received his degree in organic chemistry and did his PhD in materials science. Dr. Muñoz-Rojas is currently a permanent CNRS researcher at the Laboratoire des Matériaux et du Génie Physique in Grenoble, France. His research focuses on using and developing cheap and scalable chemical approaches for the fabrication of novel functional materials for electronic and optoelectronic applications.

2. Prof Josep Puigmartí-Luis, Departament de Ciència dels Materials i Química Física, Institut de Química Teòrica i Computacional, 08028 Barcelona, Spain.

“Microfluidic technologies as an advanced tool for chemistry and materials synthesis”

Prof. Dr. Josep Puigmartí-Luis is a chemist with a PhD in materials science. His research interests include the synthesis and controlled design of functional materials in solution and on surfaces, as well as the development of microfluidic technologies to command and understand the formation and function of unprecedented out-of-equilibrium assemblies (a key aspect to unveil structure-properties correlations of new functional matter).

3. Matina Karakitsiou, Center for Technology Research and Innovation Ltd

“Integration of micro-engineered gas printing system in automated 3D-printing unit-SPRINT project”

Matina Karakitsiou is a Materials Engineer with a Msc in Organic Chemistry. In UIB in Norway, she pursued her PhD degree in Fluid Dynamics and heat transport field. Her scientific interests are focused on Nanotechnology, 3D printing, Solar cells, Clay minerals, catalysis, Animal feed, Vacuum technology and analytical techniques knowledge.

4. Dr. Tiago Sotto Mayor, Faculty of Engineering, Porto University, Porto, Portugal

“Simulation and optimization of microscale gas nozzles for controlled diffusion/reaction in spatial atomic layer deposition heads”

Tiago Sotto Mayor is Principal Investigator at the Engineering Faculty of Porto University (FEUP/Portugal). He is the head of SIMTECH Lab, a research laboratory from CEFT/FEUP, focussing on Simulation Technologies for the prediction of transport processes in materials, products and systems. Tiago Sotto Mayor research bridges different fields of science, e.g. Engineering, Biology, Physiology or Materials Science, with a focus on the modelling and simulation of transport processes at different scales and boundary conditions

5. João P. Vale, Faculty of Engineering, Porto University, Porto, Portugal

“Flow-focusing for spatially controlling diffusion/reaction processes in confined spaces”

João P. Vale is a Researcher at the Engineering Faculty of Porto University (FEUP/Portugal). He is an expert in numerical simulation, microfluidics, and thermodynamics. His experiences and work span across biomedical engineering, chemical engineering, and biotechnology where he uses numerical approaches to study complex phenomena, predict performance, and optimise concepts to design better solutions.

6. Dr. Alexios Grigoropoulos, Creative Nano

“Catalytic applications with MOFs”

Dr. Grigoropoulos obtained his Bachelor's, Master's and Ph.D degree in Chemistry from the National and Kapodistrian University of Athens, Greece. Over the last 15 years, he has been involved in projects across various fields of inorganic chemistry, such as organometallic chemistry, molecular magnetism, crystalline porous materials (MOFs, zeolites), homogeneous and heterogeneous catalysis (hydrogenation, isomerisation, hydroformylation, electrocatalysis, biomass conversion), He has published 24 papers in peer-review journals and 1 book chapter.

7. Dr. Miriam Velasquez, Graz University of Technology, Institute of Physical and Theoretical Chemistry

“MOF Composite Films: From GAGs@MOFs to enzymes@MOF”

Miriam Velásquez completed a BSc in chemistry at Universidad Nacional Autónoma de México (UNAM, México) in 2011. Later, she received her Masters (2013) and PhD degrees (2018) in materials science and engineering at UNAM. Her research project focuses in the synthesis of MOFs with encapsulated target molecules for drug delivery applications.

8. Prof. Pantelis Trikalitis, University of Crete, School of Sciences & Engineering, Department of Chemistry

“Reticular Synthesis of Novel Metal-Organic Frameworks for Energy Related Applications”

Dr Pantelis Trikalitis is a Professor of Inorganic Chemistry in the Department of Chemistry at the University of Crete. His research field currently focuses in the design and development of novel metal-organic frameworks using reticular chemistry approaches for energy and environmental related applications. He has a very strong expertise in advanced materials synthesis and characterization of a broad range of functional solids including open-framework hybrid solids, nanoporous and nanostructured materials of oxides and chalcogenides. He has published more than 90 research papers in top-quality peer-reviewed journals and has an h-index of 40.

9. Prof Dimitris Bikiaris Aristotelio University of Thessaloniki, Department of Chemistry, Laboratory of Polymer and Colors Chemistry and Technology

“Nanoencapsulation and MOF Formulations for Controlled Release of Anticancer Drugs.”

Dimitrios Bikiaris is a Professor of Polymer Chemistry and Technology in the Department of Chemistry, AUTH. Professor Bikiaris has published more than 600 papers in international scientific journals and has an h-index of 90. He is included in the 2% top cited scientists worldwide and 1st in AUTH in the ranking of Stanford University.

10. Mrs Vasiliki Galiotou, Creative nano

“Market Analysis and Patent Mapping on SPRINT Project”

Mrs Vasiliki Galiotou is a Mechanical Engineer from National Technical University of Athens with a master of science in Construction Management and an Executive MBA from Strathclyde Business School. Her expertise lies across the business development management with a focus on energy and materials projects.

