

## MC12 Materials morphology alteration by using state-of-the-art techniques: experiments, simulations and theoretical models I

Tuesday, 3 September, morning

Chair(s): Eduardo Castro

Room:

Hours	ID	Name	Type	Title
10h30-11h00	12553	Przemysław Józwik	Invited	Ion implantation, ion channeling, Molecular Dynamics, and Monte Carlo simulations for materials modification and modeling of defects in compounds
11h00-11h30	12982	José María De Teresa	Invited	Tuning of the electrical resistivity and potential applications of electron/ion-irradiated solid precursor films
11h30-11h45	12896	Katharina Lorenz	Invited	Ion irradiation of wide bandgap semiconductors: Defect engineering and radiation detection
11h45-12h15		Stefan Facsko	Invited	Nanoscale surface engineering by low-energy ion irradiation
15h15-12h30	13165	Filipe Vaz	Oral	Nanostructured Thin Films with Tailored Responses

## MC12 Materials morphology alteration by using state-of-the-art techniques: experiments, simulations and theoretical models II

Tuesday, 3 September, afternoon

Chair(s): Milena Majkić

Room:

Hours	ID	Name	Type	Title
16h00-16h30	12764	Denise Erb	Invited	Nanopatterning of crystalline Ge(001) surfaces induced by broad-beam low-energy ion irradiation: influence of erosion in the diffusion-dominated regime
16h30-16h45	12582	Constance Toulouse	Oral	Helium implantation for strain-engineering: a new route for tuning functionality in materials
16h45-17h15	13144	Pablo de Vera	Invited	Biomaterials excitation by energetic charged particles: towards a detailed modelling of biomedical applications
17h15-17h45	13116	Dmitrii Moldarev	Invited	Energetic ion beams for analysis and modification of hydrogen-related materials
17h45-18h15	13008	Filip Vuković	Invited	Revealing the atomistic structure of 2D organic membranes



**Poster Session**  
**Tuesday, 3 September**

ID	Name	Title
13661	Gloria Conte	Nanocrystalline Silicon for Optomechanical Applications