

TEM-UCA: Transmission Electron Microscopy of Nanomaterials European Summer Workshop, 17 - 21 September, Cádiz

Scientific Program

Monday 17th September	
9.30	Registration and Workshop opening
9.45-11.00	Transmission Electron Microscopy (Sala Grados I) Raul Arenal de la Concha (INA Instituto de Nanociencia de Aragon)
11-11.30	Coffee Break and Poster Session
11.30-13.00	Computer-assisted Electron Crystallography (I) (Aula 2) J.A. Perez-Omil, Universidad de Cádiz
13.00-14.30	Lunch
14.30-18.00	GROUP A - Practical Lab: Introduction to Image Interpretation (Aula Informática 1) Juan José Delgado Jaen, Universidad de Cádiz GROUP B- Practical Lab: Electron Microscopy Image Simulation (Aula Informática 2) Miguel López Haro, Universidad de Cádiz
Tuesday 18 th September	
9.30-11.00	Low Voltage Cs HREM (Sala Grados I) Hanako Okuno (CEA Grenoble)
	Coffee Break and Poster Session
11.30-13.00	Group B - Practical Lab: Nanoparticles Modelling and Simulation (Aula Informática 2) J.A. Perez-Omil, Universidad de Cádiz GROUP A - Practical Lab: X-Ray Energy Dispersive Spectroscopy (Aula Informática 1) Juan Carlos Hernández Garrido, Universidad de Cádiz
13.30-14.30	Lunch
14.30-18.00	GROUP B - Practical Lab: Introduction to Image Interpretation (Aula Informática 1) Juan José Delgado Jaen, Universidad de Cádiz GROUP A- Practical Lab: Electron Microscopy Image Simulation (Aula Informática 2) Miguel López Haro, Universidad de Cádiz

Wednesday 19th September	
9.30-11.00	Introduction to Integrated Differential Phase Contrast (i-DPC) (Sala Grados I) Daniel Stroppa (Thermo Fisher Scientific)
	Coffee Break and Poster Session
11.30-13.00	Group B - Practical Lab: Nanoparticles Modelling and Simulation (Aula Informática 2) J.A. Perez-Omil, Universidad de Cádiz GROUP A Practical Demonstration-: In-Situ Tem Electrothermal Analysis (FEI TITAN Cubed Themis Microscope) Mathias O. Mosig , Protochips
13.15-14.30	Lunch
14.30-18.00	GROUP A - Practical Lab: Electron Energy Loss Spectroscopy (Aula Informática 1) Susana Trasobares, Universidad de Cádiz GROUP B - Practical Lab: Electron Tomography (Aula Proyectos) Ana B Hungría , Universidad de Cádiz
Thursday 20 th September	
9.30-11.00	Group A - Practical Lab: Nanoparticles Modelling and Simulation (Aula Informática 2) J.A. Perez-Omil, Universidad de Cádiz GROUP B - Practical Lab: X-Ray Energy Dispersive Spectroscopy (Aula Informática 1) Juan Carlos Hernández Garrido, Universidad de Cádiz
11.30-12.00	Coffee Break and Poster Session
12.00-13.30	Group A - Practical Lab: Nanoparticles Modelling and Simulation (Aula Informática 2) J.A. Perez-Omil, Universidad de Cádiz GROUP B Practical Demonstration-: In-Situ Tem Electrothermal Analysis (FEI TITAN Cubed Themis Microscope) Mathias O. Mosig , Protochips
13.00-14.30	Lunch
14.30-18.00	GROUP B - Practical Lab: Electron Energy Loss Spectroscopy (Aula Informática 1) Susana Trasobares, Universidad de Cádiz GROUP A - Practical Lab: Electron Tomography (Aula Proyectos) Ana B Hungría , Universidad de Cádiz
Friday 21st September	
9.30-11.00	In situ Electron Microscopy (Sala Grados I) Eric Prestat, University of Manchester
	Coffee Break and Poster Session
11.30-1300	Applications of (S)TEM to Catalytic Materials (Sala Grados I) José J Calvino, Universidad de Cádiz
13.00-14.30	Lunch and Workshop Closing