

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

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