

## Programme

### September 16<sup>th</sup>, 2013

10 <sup>30</sup> – 11 <sup>30</sup>	Arrival, Registration and <b>welcome coffee</b>
11 <sup>30</sup> – 12 <sup>00</sup>	Welcome and opening. Address from <u>Dr. Pilar Cea, INA-UZ</u> .
12 <sup>00</sup> – 13 <sup>00</sup>	Visit to the INA laboratories and characterization facilities.
13 <sup>00</sup> – 14 <sup>00</sup>	<b>Lunch</b>
14 <sup>00</sup> – 14 <sup>50</sup>	Electron Microscopy. HRTEM, STEM (Lecturer: <u>Dr. César Magén, INA-UZ</u> )
14 <sup>50</sup> – 15 <sup>40</sup>	Electron Microscopy. SEM, including environmental SEM (Lecturer: <u>Mr. Keriya Mam, FEI Company</u> )
15 <sup>40</sup> – 16 <sup>10</sup>	<b>Coffee Break</b>
16 <sup>10</sup> – 17 <sup>00</sup>	Dual beam and clean room facilities (Lecturer: <u>Dr. Jan Marek Michalik, INA-UZ</u> )
17 <sup>00</sup> – 17 <sup>50</sup>	Scanning Microscopy: AFM, STM (Lecturer: <u>Dr. David Serrate, INA-UZ</u> )

### September 17<sup>th</sup>, 2013

9 <sup>00</sup> – 13 <sup>00</sup>	<b>Practical Session (I). Microscopy:</b> TEM, TITAN, SEM & AFM
13 <sup>00</sup> – 14 <sup>00</sup>	<b>Lunch</b>
14 <sup>00</sup> – 14 <sup>50</sup>	Spectroscopy: XPS (Lecturer: <u>Dr. Silvia Irusta, INA-UZ</u> )
14 <sup>50</sup> – 15 <sup>40</sup>	Spectroscopy: FT-IR, $\mu$ -Raman (Lecturer: <u>Dr. Antonio Montasell, Bruker</u> )
15 <sup>40</sup> – 16 <sup>10</sup>	<b>Coffee Break</b>
16 <sup>10</sup> – 17 <sup>00</sup>	Spectroscopy: UV-vis and fluorescence spectroscopy (Lecturer: <u>Dr. José Luis Hueso, INA-UZ</u> )
17 <sup>00</sup> – 17 <sup>50</sup>	Gas adsorption characterization techniques (Lecturer: <u>Dr. Francisco Balas, ICB-CSIC</u> )

### September 18<sup>th</sup>, 2013

9 <sup>00</sup> – 13 <sup>00</sup>	<b>Practical Session (II). Spectroscopy:</b> XPS, FTIR, UV-vis & BET
13 <sup>00</sup> – 14 <sup>00</sup>	<b>Lunch</b>
14 <sup>00</sup> – 14 <sup>50</sup>	EXAFS and Mössbauer spectroscopy (Lecturer: <u>Dr. Jesús Chaboy, ICMA CSIC-UZ</u> )
14 <sup>50</sup> – 15 <sup>40</sup>	XRR (Lecturer: <u>Dr. José Ángel Pardo, INA-UZ</u> )
15 <sup>40</sup> – 16 <sup>10</sup>	<b>Coffee Break</b>
16 <sup>10</sup> – 17 <sup>00</sup>	DLS and $\zeta$ -potential (Dr. Annegret Potthoff, Fraunhofer IKTS)
17 <sup>00</sup> – 17 <sup>50</sup>	Aerosol characterization techniques (Lecturer: <u>Dr. Cristina Gutiérrez Cañas, EHU-UPV</u> )

### September 19<sup>th</sup>, 2013

9 <sup>00</sup> – 10 <sup>00</sup>	Invited Lecture ( <u>Prof. Jesús Santamaría, INA-UZ</u> )
10 <sup>00</sup> – 10 <sup>15</sup>	1-Oral presentation
10 <sup>15</sup> – 10 <sup>30</sup>	2-Oral presentation
10 <sup>30</sup> – 11 <sup>15</sup>	Key-note 1 ( <u>Dr. Omar Lozano, University of Namur</u> )
11 <sup>15</sup> – 13 <sup>00</sup>	Poster Session (A) and <b>coffee break</b>
13 <sup>00</sup> – 15 <sup>00</sup>	<b>Lunch</b>
15 <sup>00</sup> – 15 <sup>45</sup>	Key-note 2 ( <u>Dr. Wolfgang Unger, BAM - Federal Institute for Materials Research and Testing</u> )
15 <sup>45</sup> – 16 <sup>00</sup>	3-Oral presentation
16 <sup>00</sup> – 16 <sup>15</sup>	4-Oral presentation
16 <sup>15</sup> – 17 <sup>00</sup>	Key-note 3 ( <u>Dr. Amy Watt, Nanosight</u> )
17 <sup>00</sup> – 18 <sup>30</sup>	Poster Session (B) and <b>coffee break</b>
21 <sup>00</sup>	<b>Banquet</b>

### September 20<sup>th</sup>, 2013

9 <sup>00</sup> – 13 <sup>00</sup>	<b>Practical Session (III):</b> DLS, $\zeta$ -potential, aerosol characterization facilities & Nanoparticle Tracking Analysis (NTA); and <b>coffee break</b>
13 <sup>00</sup> – 13 <sup>30</sup>	<b>Closing remarks</b>

**Time schedule**

	Sept 16 <sup>th</sup>	Sept 17 <sup>th</sup>	Sept 18 <sup>th</sup>	Sept 19 <sup>th</sup>	Sept 20 <sup>th</sup>
9 <sup>00</sup> –10 <sup>30</sup>				<b>Oral and Poster Session</b>  9 <sup>00</sup> – 10 <sup>00</sup> Plenary 10 <sup>00</sup> – 10 <sup>15</sup> Oral-1 10 <sup>15</sup> – 10 <sup>30</sup> Oral-2 10 <sup>30</sup> – 11 <sup>15</sup> Key-note-1 11 <sup>15</sup> – 13 <sup>00</sup> Poster S (A) 13 <sup>00</sup> – 15 <sup>00</sup> Lunch 15 <sup>00</sup> – 15 <sup>45</sup> Key-note 2 15 <sup>45</sup> – 16 <sup>00</sup> Oral-3 16 <sup>00</sup> – 16 <sup>15</sup> Ora-4I 16 <sup>15</sup> – 17 <sup>00</sup> Key-note 3 17 <sup>00</sup> – 18 <sup>30</sup> Poster S (B) 21 <sup>00</sup> Banquet	<b>Practical Session (III)</b> N <sub>2</sub> adsorption, DLS, ζ-potential, aerosol characterization, NTA
10 <sup>30</sup> – 11 <sup>30</sup> 11 <sup>30</sup> – 12 <sup>00</sup>	Arrival and Registration <b>Welcome and opening</b> (Address from INA director)	<b>Practical Session (I)</b> TEM, UHR-TEM, SEM, AFM	<b>Practical Session (II)</b> XPS, FTIR, UV-vis, BET		
12 <sup>00</sup> – 13 <sup>00</sup>	Visit to the characterization facilities (INA)				
13 <sup>00</sup> – 14 <sup>00</sup>	Lunch at the University	Lunch at the University	Lunch at the University		
14 <sup>00</sup> – 15 <sup>40</sup>	<b>Seminar Session (I)</b> HRTEM, STEM, SEM,	<b>Seminar Session (III)</b> XPS, FTIR/Raman, FL	<b>Seminar Session (V)</b> XAS/EXAFS, MS, DLS / ζ-potential		
15 <sup>40</sup> – 16 <sup>10</sup>	Break	Break	Break		
16 <sup>10</sup> – 17 <sup>50</sup>	<b>Seminar Session (II)</b> dual Beam, AFM, STM	<b>Seminar Session (IV)</b> UV-vis, Gas Adsorption	<b>Seminar Session (VI)</b> Aerosol, XRD		