

Programme

International Summer School Multifunctional Smart Coatings and Surfaces

Time	Monday 24 th	Tuesday 25 th	Wednesday 26 th	Thursday 27 th	Friday 28 th	
9.00-9.30	Lecture 1 General Introduction	Lecture 4 Functional Coatings	Lecture 6 Local Electrochemical Techniques	Lecture 8 FTIR/Raman	Lecture 10 Scanning Probe Microscopy	
9.30-10.00						
10.00-10.30						
10.30-11.00	Coffee-Break					
11.00-11.30	Lecture 2 EIS I	Lecture 5 Adhesion at Materials Interfaces	Lecture 7 Fabrication of Smart Coatings	Lecture 9 XPS	Lecture 11 Modelling in the Context of Smart Coatings	
11.30-12.00						
12.00-12.30						
12.30-13.00	Lunch					
13.00-13.30						
13.30-14.00						
14.00-14.30	Lecture 3 EIS II	Lab Sessions 1-6	Lab Sessions 1-6	Lab Sessions 1-6	Lab Session 7 Joint session for FTIR/Raman/XPS	
14.30-15.00						
15.00-15.30						
15.30-16.00	Coffee-Break					
16.00-16.30	Lab Sessions 1-6	Lab Sessions 1-6	Poster Session	Lab Sessions 1-6		
16.30-17.00						
17.00-17.30						
17.30-19.00						
19.00-22.00			Gala Dinner			

Lectures

LECTURE	LECTURER	DURATION
1 - General Introduction	Mário Ferreira	90min
2 - EIS I	Mikhail Zheludkevich	90min
3 - EIS II	Kiryl Yasakau	90min
4 - Functional Coatings	João Tedim	90min
5 - Adhesion and de-Adhesion at Materials Interfaces	Guido Grundmeier	90min
6 - Local Electrochemical Techniques	Alexandre Bastos	90min
7 - Fabrication of Smart Coatings	João Tedim	90min
8 - FTIR/Raman	Helena Nogueira	90min
9 - XPS	Carlos Sá	90min
10 - Scanning Probe Microscopy	Silvar Kallip / Kiryl Yasakau	90 min
11 - Modelling in the Context of Smart Coatings	Richard Gomes / Tiago Galvão	90min

Lab Sessions

LAB SESSION	LECTURER	DURATION
1 - Synthesis of nanostructured materials	Francielle Calegari / Bruno Campos	90 min
2 - DC/EIS - Corrosion inhibition by nanocontainers	Manon Wilhelm / Alexandre Rocha	90 min
3 - SVET	Silvar Kallip	90 min
4 - SIET / SECM	Alexandre Bastos / Marcela Reyes	90 min
5 - AFM	Cristina Neves	90 min
6 - Fitting of EIS spectra	Kiryl Yasakau	90 min
7 - Joint session of FTIR/Raman/XPS	H. Nogueira / G. Otero / M. Hortiguela	90 min

General Information

- **Map of University**



- **LUNCH TIME** (12H30-14H00) - All the Lunches are in the **Castro Canteen Complex** and each lunch include:
 - Soup
 - Dish of the day
 - Water
 - Salad
 - Fruit **or** Sweet of the day