



# First Moroccan Spring School on Advanced Materials (MoSSAM'1)

Marrakech, Morocco, April 15-17, 2018

## Program

Sunday 15 April 2018							
14:00-16:00	<b>Registration</b>						
16:00- 17:30	<u>Cyril POPOV</u> <i>Kassel University, Germany</i> <b>Characterization of basic and application relevant properties of thin diamond films: Principles and examples</b>						
17:45- 19:15	<u>Mustapha AIT ALI</u> <i>Cadi Ayyad University, Marrakech, Morocco</i> <b>Chemistry of 2D-nanomaterials: Silicene and phosphorene</b>						
Monday 16 April 2018							
8:30-9:00	<b>Opening ceremony</b>						
9:00-10:30	<u>Christian BROSEAU</u> <i>University of Brest, France</i> <b>Matériaux composites: Ingénierie et Propriétés de Transport Électromagnétique</b>						
10 :30-11 :00	<b>Welcome reception</b>						
11:00-12:30	<u>Manuel Pedro Fernandes GRACA</u> <i>I3N, Physics Department, University of Aveiro, Portugal</i> <b>Glasses and glass-ceramics, preparation methods versus applications</b>						
Lunch							
	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"><b>Session A: Structural characterization</b></td> <td style="width: 50%; text-align: center;"><b>Session B: Photovoltaic materials</b></td> </tr> <tr> <td style="text-align: center;"><u>Mustapha MABROUKI</u> <i>Faculté des Sciences et Techniques Béni Mellal, Morocco</i> <b>La microscopie à force atomique du principe de fonctionnement à l'exploitation des images</b></td> <td style="text-align: center;"><u>Abdelkader OUTZOURHIT</u> <i>Cadi Ayyad University, Marrakech, Morocco</i> <b>Advanced Materials for Energy Conversion, Harvesting, and Storage</b></td> </tr> <tr> <td style="text-align: center;"><u>Mahmoud AL-HUSSEIN</u> <i>Physics Department, University of Jordan Amman, Jordan</i> <b>Revealing the Structure and Morphology of Nanostructured Materials Using Advanced X-ray Scattering Techniques</b></td> <td style="text-align: center;"><u>Ahmed IHLAL</u> <i>Sciences Faculty, Ibn Zohr University, Agadir, Morocco</i> <b>Conversion photovoltaïque: de l'atome au système PV</b></td> </tr> </table>	<b>Session A: Structural characterization</b>	<b>Session B: Photovoltaic materials</b>	<u>Mustapha MABROUKI</u> <i>Faculté des Sciences et Techniques Béni Mellal, Morocco</i> <b>La microscopie à force atomique du principe de fonctionnement à l'exploitation des images</b>	<u>Abdelkader OUTZOURHIT</u> <i>Cadi Ayyad University, Marrakech, Morocco</i> <b>Advanced Materials for Energy Conversion, Harvesting, and Storage</b>	<u>Mahmoud AL-HUSSEIN</u> <i>Physics Department, University of Jordan Amman, Jordan</i> <b>Revealing the Structure and Morphology of Nanostructured Materials Using Advanced X-ray Scattering Techniques</b>	<u>Ahmed IHLAL</u> <i>Sciences Faculty, Ibn Zohr University, Agadir, Morocco</i> <b>Conversion photovoltaïque: de l'atome au système PV</b>
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Tuesday 17 April 2018		
	<b>Session C: Impedance spectroscopy</b>	<b>Session D: Materials</b>
<b>8:30- 10:00</b>	<u><b>Luis Cadillon COSTA</b></u> <i>IN, Physics Department, University of Aveiro, Portugal</i> <b>Impedance spectroscopy: physical concepts and applications</b>	<u><b>Mustafa BENYOUCEF</b></u> <i>FST, Cadi Ayyad University, Marrakech, Morocco</i> <b>Single Crystal Ni-base Superalloys From the Microstructure to the Outstanding Properties</b>
<b>10:15-11:45</b>	<u><b>Asma TRIKI</b></u> <i>LaMaCoP, Département de Physique, Faculté des Sciences de Sfax, Université de Sfax, Tunisia</i> <b>Apport des analyses diélectriques dans la science des matériaux</b>	<u><b>Zineb GUENNOUNI</b></u> <i>ECE PARIS &amp; Université Pierre et Marie Curie, France</i> <b>Matériaux polymères : Structures et propriétés en solution et aux interfaces</b>
<b>11:45-12:00</b>	<b>Coffee break</b>	
<b>12:00-13:30</b>	<u><b>Tamara PETKOVA</b></u> <i>Bulgarian Academy of Sciences, Sofia, Bulgaria</i> <b>&amp;</b> <u><b>Plamen PETKOV</b></u> <i>University of Chemical Technology and Metallurgy, Sofia, Bulgaria</i> <b>Advanced chalcogenide and oxide materials for multifunctional applications</b>	
<b>13:30-14:00</b>	<b>Closing</b>	
	<b>Lunch</b>	

## Address of the MoSSAM 1 Spring School

**Sciences Faculty Semlalia (FSSM), Marrakech**

**Boulevard Prince Moulay Abdellah, Marrakech 40 000, Morocco.**