

First International Symposium on Dielectric Materials and Applications

ISyDMA'2016

May 4-6, 2016, Kenitra-Rabat, Morocco



Association Marocaine
des Matériaux Avancés



Program

Tuesday 03 May

16h 00-20h	Registration Rabat
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Wednesday 04 May

Sciences Faculty of Kenitra (AMPHI 1)

08h 30 - 09h15	Registration
09h 15 - 10h 00	Opening ceremony
	<u>Conference 1</u> (CONF1)

11h00 – 11h 30	<p style="text-align: center;"><u>Keynote Speaker</u> LEBLANC Roger M. <i>Department of Chemistry; University of Miami, Florida</i> USA Synthesis, Characterization and Application of carbon dots</p>
11h 30 – 12h 00	<p style="text-align: center;"><u>Conference 2 (CONF2)</u> <u>Invited Speaker</u> COSTA Luís Cadillon <i>University of Aveiro</i> Portugal Microwave Radiation in Metrology and Materials Synthesis Applications</p>
12h00 – 13h00	<p style="text-align: center;"><u>Oral sessions</u> <u>Session A1:</u> <u>OA1, OA2, OA3, OA4</u></p>
12h 00 – 12h 15	<p style="text-align: center;"><u>OA1</u> TACHAFINE Amina <i>UDSMM, Université du Littoral-Cote d'Opale</i> France Ferroelectric materials for frequency tunable capacitors</p>
12h 15 – 12h 30	<p style="text-align: center;"><u>OA2</u> HILAL Hikmat <i>An-Najah National University , Nablus</i> Palestine Enhancement of PEC stability and efficiency of thin-film electrodes by attaching electro-active/polymer composite matrices</p>
12h 30 – 12h 45	<p style="text-align: center;"><u>OA3</u> YAHYA Rosiyah <i>University of Malaya , Kuala Lumpur</i> Malaysia Synthesis of ZnO Nanostructures and Its UV-Sensing Applications</p>
12h 45 – 13h 00	<p style="text-align: center;"><u>OA4</u> INGROSSO Chiara <i>Italian National Research Council – CNR Institute for Physical and Chemical Processes, IPCF, Chemistry Department, Bari</i> Italy Photocurable Nanocomposite based on Methacrylic-Siloxane Resin and Organo-Functional Silane modified-TiO₂ Nanocrystals</p>
14h 30 – 15h 00	<p style="text-align: center;"><u>Conference 3 (CONF3)</u> <u>Invited Speaker</u> PETROKOVA Tamara <i>Head of Solid state electrolytes department Institute of electrochemistry and energy systems Bulgarian academy of sciences, Sofia</i> Bulgaria Advanced nanosized spinels for energy conversion application</p>

15h 00 – 15h 30	<p style="text-align: center;">Conference 4 (CONF4) <u>Invited Speaker</u> PINTILIE Lucian <i>National Institute of Materials Physics, Magurele</i> <i>Romania</i> Pyroelectric properties in polar thin films</p>
15h 30 – 16h 00	<p style="text-align: center;">Conference 5 (CONF5) <u>Invited Speaker</u> RAHMOUN HENAOUI Khadidja <i>University of Tlemcen, Faculty of Sciences, Department of physics, Unit Research in Materials and Renewable Energy, URMER, Tlemcen</i> <i>Algeria</i> Use of Effective Medium Theory to Model the Effect of the Microstructure on Elastic and Dielectric Properties of Porous silicon</p>
16h 30 – 18h 30	<p style="text-align: center;"><u>Oral sessions</u> <u>Session A2:</u> OA5, OA6, OA7, OA8, OA9, OA10, OA11, OA12</p>
16h 30 – 16h 45	<p style="text-align: center;"><u>OA5</u> NOUNEH Khalid <i>L.P.M.C., Faculty of Science, University Ibn Tofail , Kenitra</i> <i>Morocco</i> Controllable synthesis of metallic oxide thin films and metallic nanopartilces for energy and environment</p>
16h 45 – 17h 00	<p style="text-align: center;"><u>OA6</u> SACI Lynda <i>LEMEAMED laboratory, Departement of Electronics , Constantine</i> <i>Algeria</i> Composition and structural properties of ZnO thin films elaborated by spray pyrolysis</p>
17h00 – 17h 15	<p style="text-align: center;"><u>OA7</u> HASSAN Aziz <i>University of Malaya , Kuala Lumpur</i> <i>Malaysia</i> Compounding, injection moulding and characterisation of oil palm empty fruit bunch/aramid hybrid fibre reinforced polymer composite</p>
17h 15 – 17h 30	<p style="text-align: center;"><u>OA8</u> SALAMON Peter <i>Wigner Research Centre for Physics , Budapest</i> <i>Hungary</i> Dielectric properties of mixtures of a bent-core and a rod-like liquid crystal</p>
17h 30 – 17h 45	<p style="text-align: center;"><u>OA9</u> TAISSE Mouffok <i>Ziane Achour University, Djelfa</i> <i>Algeria</i> Power- law behavior in the ionic conductivity of hydrated Homoionic montmoriillonite clay nanoparticules</p>

17h 45 – 18h 00	<p style="text-align: center;"><u>OA10</u> ADJIM Nasr-Eddine <i>Université des sciences et de la technologie d'Oran, Oran</i> <i>Algeria</i> Evaluation of critical volume strongly inhomogeneous electric field</p>
18h00-18h15	<p style="text-align: center;"><u>OA11</u> HEMINE Jamal <i>Faculty of Sciences and Technologies, Mohammedia</i> <i>Morocco</i> Dielectric properties of polymer networks stabilized ferroelectric liquid crystal</p>
18h15-18h30	<p style="text-align: center;"><u>OA12</u> SABIR Fouzia <i>Hassan 1st University FST Settat</i> <i>Morocco</i> Structural hardening mechanism of the steel with</p>

Thursday 05 May
Conference Centre of Mohammed VI, Rabat

	<p style="text-align: center;"><u>Conferences : 6, 7 and 8</u> (Amphi A. M. BELFKIH)</p>
08h 30 – 09h 00	<p style="text-align: center;"><u>Conference 6 (CONF6)</u> <u>Invited Speaker</u> BUKA Agnes <i>Wigner Research Centre for Physics, Budapest</i> <i>Hungary</i> Patterns Driven by Asymmetrical (AC + DC) Electric Fields</p>
09h 00 – 09h 30	<p style="text-align: center;"><u>Conference 7 (CONF7)</u> <u>Invited Speaker</u> ÉBER Nándor <i>Wigner Research Centre for Physics, Budapest</i> <i>Hungary</i> Influence of DC Voltage on the Dielectric Properties of Nematics</p>
09h 30 – 10h 00	<p style="text-align: center;">Conference 8 (CONF8) <u>Invited Speaker</u> EL KATIB Abdelkrim Université Euro-méditerranéenne de Fes Morocco Mesoporous titanium dioxide-based materials: Simultaneous mastering of crystallinity and mesoporosity</p>
10h00-11h00	<p style="text-align: center;">Session Posters & Break – Coffee Session PA: Posters : PA1, PA2.....PAN</p>
11h00-13h00	<p style="text-align: center;"><u>Oral sessions</u> <u>Session B1:</u> (Amphi A. M. BELFKIH)</p>

	OB1, OB2, OB3, OB4, OB5, OB6, OB7, OB8, OB9
11h00-11h15	<p align="center"><u>OB1</u> EL KACIMI Younes <i>University Ibn Tofail, Kenitra</i> <i>Morocco</i></p> <p align="center">Comparative study of Three Classes of Steels on the Corrosion Inhibition performance of Potassium iodide / Cetyl Trimethyl Ammonium Bromide in 5 M HCl</p>
11h15-11h30	<p align="center"><u>OB2</u> BOUKHEIR Sofia <i>Cady Ayyad / Ibn Tofail University , Marrakech</i> <i>Morocco</i></p> <p align="center">Nanostructural and electrical investigations on carbon nanotubes/epoxy polymer composites</p>
11h30-11h45	<p align="center"><u>OB3</u> SANTOS PREZAS Pedro Rafael <i>University of Aveiro , Aveiro</i> <i>Portugal</i></p> <p align="center">Dielectric and TSDC measurements on Ca₁₀(PO₄)₆(OH)₂ and Ca₁₀(PO₄)₆(OH)₂+β-Ca₃(PO₄)₂ bioceramics</p>
11h45-12h00	<p align="center"><u>OB4</u> MOUADILI Abdelkader <i>Faculté des sciences, Oujda</i> <i>Morocco</i></p> <p align="center">Demultiplexer based on photonic crystal dielectric materials</p>
12h00-12h15	<p align="center"><u>OB5</u> ZGUEB Rihab <i>Laboratoire de physique de la matière molle et de la modélisation</i> <i>électromagnétique, Tunis</i> <i>Tunisia</i></p> <p align="center">Dielectric relaxation spectroscopy and electro-optical studies of a chiral smectic liquid crystal</p>
12h15-12h30	<p align="center"><u>OB6</u> SAMIR Zineb <i>LASTID, Département de Physique Faculté des Sciences</i> <i>Université Ibn Tofail, Kenitra</i> <i>Morocco</i></p> <p align="center">Analysis of composite material sby Impedance Spectroscopy: Carbon Nanotube</p>
12h30-12h45	<p align="center"><u>OB7</u> HADI Nasr <i>Faculté des Sciences et Techniques de Fes</i> <i>Morocco</i></p> <p align="center">The Effect of doping sites on dielectric and microstructure properties of CaCu₃Ti₄O₁₂</p>
	<p align="center"><u>OB8</u> GOUITAA Najwa</p>

12h45-13h00	<p style="text-align: center;"><i>Faculté des Sciences et Techniques de Fes Morocco</i></p> <p style="text-align: center;">Effect of Fer concentration on microstructure and dielectric properties of BaTi1-xFexO3 ceramics.</p>
13h00-13h15	<p style="text-align: center;"><u>OB9</u> AIT EL FQIH Mohammed <i>Equipe de Modélisation & Simulation des Structures en Génie Civil, ENSAM, Université Hassan II, Casablanca Morocco</i></p> <p style="text-align: center;">Angular distribution of sputtered Fe, Cr and Al particles under 5 keV Kr⁺ bombardment with oblique incidence from Fe71.9Cr5.6Al22.5 alloy.</p>
11h00-13h15	<p style="text-align: center;"><u>Oral sessions</u> <u>Session C1:</u> (Salle A. CHENNAF) OC1, OC2, OC3, OC4, OC5, OC6, OC7, OC8, OC9</p>
11h00-11h15	<p style="text-align: center;"><u>OC1</u> QUOTANE Ilyasse <i>Faculty of Science oujda , Oujda Morocco</i></p> <p style="text-align: center;">Acoustic Analogue of Electromagnetic Induced Transparency in Solid-Fluid Layered Media</p>
11h15-11h30	<p style="text-align: center;"><u>OC2</u> KHRISSI Salam <i>Université Moulay Ismail, Faculté des Sciences, Meknes Morocco</i></p> <p style="text-align: center;">Spectrometric characteristics of the Moroccan limestone and marbles: Provenance Indicators</p>
11h30-11h45	<p style="text-align: center;"><u>OC3</u> HAMOUYA Mourad <i>Ibn Tofail University, Kenitra Morocco</i></p> <p style="text-align: center;">Study by ATR- FTIR and SEM the natural ageing of stabilized and unstabilized low-density polyethylene films</p>
11h45-12h00	<p style="text-align: center;"><u>OC4</u> BEN LENDA Omar <i>Faculty of Sciences and Technologies Settat Morocco</i></p> <p style="text-align: center;">Metallurgical study of the thermal aging of the alloy hybrid</p>
12h00-12h15	<p style="text-align: center;"><u>OC5</u> MARBOUH Kanza <i>Faculty of Sciences and Technologies Settat Morocco</i></p> <p style="text-align: center;">Structural hardening mechanism effect on the morphological structure of Lead-Antimony-Aluminium-Magnesium alloys (Pb-Sb-Al-Mg)</p>

12h15-12h30	<p style="text-align: center;"><u>OC6</u> ELGHADRAOUI Ouafae <i>Faculté des Sciences et Techniques Fes</i> <i>Morocco</i> Elaboration sol gel et étude physicochimique de Ba_{1-x}Mg_xTiO₃</p>
12h30-12h45	<p style="text-align: center;"><u>OC7</u> RASSAI Nadia <i>ENSAM, Meknes</i> <i>Morocco</i> Thermodynamic analysis of a Stirling engine using biomass as heat source</p>
12h45-13h00	<p style="text-align: center;"><u>OC8</u> FELLAHI Nabil <i>Laboratoire Optoélectronique et Physico-Chimie des Matériaux, Kenitra</i> <i>Morocco</i> Effect of substrate temperature on the Stress and blue light emission of nanostructured In₂O₃-F thin films prepared by spray pyrolysis</p>
13h00-13h15	<p style="text-align: center;"><u>OC9</u> NARJIS Abdelfattah <i>Cadi Ayyad University, Marrakech</i> <i>Morocco</i> Design of a simple apparatus for the measurement of the Seebeck coefficient</p>
11h00-13h15	<p style="text-align: center;"><u>Oral sessions</u> <u>Session D1:</u> (Salle Pyramidale) OD1, OD2, OD3, OD4, OD5, OD6, OD7, OD8</p>
11h00-11h15	<p style="text-align: center;"><u>OD1</u> BEN HASSINE Bacem <i>LOMA, Université de Bordeaux, Talence</i> <i>France</i> Polymorphism and dynamics of 1-Fluoroadamantane</p>
11h15-11h30	<p style="text-align: center;"><u>OD2</u> TAYYIBI Abdelghani <i>National School of Architecture of Marrakech, Marrakech</i> <i>Morocco</i> Seismic regulations of earthen building in Morocco</p>
11h30-11h45	<p style="text-align: center;"><u>OD3</u> RHERARI Amal <i>Université Ibn Tofail, Kenitra</i> <i>Morocco</i> The lithium effect on structural, morphological, Optical, and nonlinear optical properties of Sn-doped zinc oxide thin films prepared by spray pyrolysis method</p>
11h45-12h00	<p style="text-align: center;"><u>OD4</u> TOUIDJEN Nour El Houda <i>Electronic Department, Faculty of Science Technology</i></p>

	<p style="text-align: center;"><i>University Frères Mentouri, Constantine</i> <i>Algeria</i> Optical Properties of Zinc Sulfide ZnS Thin Films obtained by Chemical Spray Pyrolysis</p>
12h00-12h15	<p style="text-align: center;"><u>OD5</u> CHOUKRI Noure Elhouda <i>Ibn Tofail University , Kenitra</i> <i>Morocco</i> Study Of Optical Properties Of Thin Films From Cerium Oxide Doped with Ytterium</p>
12h15-12h30	<p style="text-align: center;"><u>OD6</u> EL MRABET Rajae <i>Faculté des sciences, université Moulay Ismai, Meknes</i> <i>Morocco</i> Study of Structural, electronic and optical properties of organic-inorganic [C₂H₅-NH₃]₂MnCl₄</p>
12h30-12h45	<p style="text-align: center;"><u>OD7</u> BENALLOU Amina <i>Laboratoire ECP3M, Faculté des sciences et de la Technologie Université Abdelhamid Ibn Badis , Mostaganem</i> <i>Algeria</i> The electrical conductivity behavior of an organic insulators caused by presence of dead ends under high electric field.</p>
12h45-13h00	<p style="text-align: center;"><u>OD8</u> NIOUA Yassine The interphase effect on the effective permittivity of carbon black filled polymer composites</p>
13h00-13h15	<p style="text-align: center;"><u>OD9</u> EL MANSOURI Abdelmajid <i>Institut Supérieur des Métiers de l'Audiovisuel et du Cinéma (ISMAC), Rabat, Morocco</i> Physical characterization in a large frequency range of Ba_{1-x}Sr_xTiO₃ ceramics as a function</p>

Friday 06 May
The Conference Centre of Mohammed VI, Rabat

08h 30-10h00	<p style="text-align: center;">Conferences: 9, 10 and 11 (AMPHI A.M. BELFKIH)</p>
08h 30-09h00	<p style="text-align: center;">Conference 9 (CONF9) Invited Speaker STRICCOLI Marinella <i>Italian National Research Council – CNR Institute for Physical and Chemical Processes, IPCF c/o Chemistry Department, via Orabona 4, I-70126 Bari</i> <i>Italy</i> Colloidal Nanoparticles in Polymers as Innovative Nanocomposite</p>
09h00-09h30	<p style="text-align: center;">Conference 10 (CONF10) Invited Speaker CURRI Maria Lucia <i>Italian National Research Council – CNR Institute for Physical and Chemical Processes, IPCF c/o Chemistry Department, Bari</i> <i>Italy</i> Soft Chemistry Tools for Nanomaterials Fabrication:</p>

	Emerging Properties and Functions
09h30-10h00	<p style="text-align: center;">Conference 11 (CONF11) Invited Speaker SAN Sait Eren <i>Gebze Technical University, Kocaeli</i> <i>Turkey</i></p> <p style="text-align: center;">Some case studies on the employment and Dielectric Characterization of Liquid Crystals in Organic Electronics</p>
10h00-11h00	<p style="text-align: center;"><u>Poster session & Coffee-break</u> Session PB : Posters PB1, PB2,PBn</p>
11h00-13h30	<p style="text-align: center;"><u>Oral sessions</u> <u>Session B2:</u> (Amphi A. M. BELFKIH) OB9, OB10, OB11, OB12, OB13, OB14, OB15, OB16, OB17, OB18</p>
11h00-11h15	<p style="text-align: center;"><u>OB9</u> OMARI Lhaj el Hachemi <i>LPTA, Faculty of Sciences Dhar Mehraz, Fes</i> <i>Morocco</i></p> <p style="text-align: center;">Study of Impedance Spectroscopy on solid solutions of PbTiO₃ and LaFeO₃ (PT-LF) ceramic</p>
11h15-11h30	<p style="text-align: center;"><u>OB10</u> LAHKALE Redouane <i>Faculty of Sciences University of Couaïb Doukkali, El Jadida</i> <i>Morocco</i></p> <p style="text-align: center;">Study of conduction phenomena of calcined and uncalcined Mg₃Fe-NO₃-LDHs using impedance spectroscopy</p>
11h30-11h45	<p style="text-align: center;"><u>OB11</u> ZOUHAIRI Mohammed <i>Faculté des Sciences et Techniques, Fes</i> <i>Morocco</i></p> <p style="text-align: center;">Experimental and Dielectric Properties of Pb_{1-x}La_xTi_{1-x}/4O₃ Ceramic</p>
11h45-12h00	<p style="text-align: center;"><u>OB12</u> MEKNI Omar <i>Centre Sciences des matériaux et des structures, Ecole des mines de Saint Etienne</i> <i>France</i></p> <p style="text-align: center;">Charging process and trapped charge characterization in insulating materials using an Electrostatic Influence Method (EIM) in adapted SEM</p>
12h00-12h15	<p style="text-align: center;"><u>OB13</u> ELBASSET Abdelhalim <i>Faculté des Sciences et Techniques, Fes</i> <i>Morocco</i></p> <p style="text-align: center;">Large dielectric loss effect in (Ba_{1-x}Sr_x)(Ti_{1-x}Zr_x)O₃ powders obtained by of substitution simultaneous strontium and zirconium</p>
12h15-12h30	<p style="text-align: center;"><u>OB14</u> QADDI Mohamed Hamza <i>National School of Applied Sciences Ibn Tofail University, Kenitra</i></p>

	<p style="text-align: center;"><i>Morocco</i></p> <p style="text-align: center;">Biological effects of radiofrequency and microwaves on human body by its different dielectric properties</p>
12h30-12h45	<p style="text-align: center;"><u>OB15</u> SALBI Adil <i>Materials and Instrumentations (MIN), Department of Electrical Engineering, High School of Technology, Meknes Morocco</i></p> <p style="text-align: center;">Stimulator Interface Control for Various Electrotherapy Applications</p>
12h45-13h00	<p style="text-align: center;"><u>OB16</u> BOUSSELAMTI Meriem <i>University Ibn Tofail, Kenitra Morocco</i></p> <p style="text-align: center;">Study of the effect of nonstoichiometry on the structure of Lithium niobate by using raman spectroscopy</p>
13h00-13h15	<p style="text-align: center;"><u>OB17</u> GONÇALVES MELO Bruno Miguel <i>Aveiro University, Aveiro Portugal</i></p> <p style="text-align: center;">High-temperature electrical characterization of phosphate-borate based glasses</p>
13h15-13h30	<p style="text-align: center;"><u>OB18</u> EL BACHIRI Abdelhadi Faculté des Sciences Kenitra Morocco</p> <p style="text-align: center;">Electrical properties of LiNbO3 ceramics</p>
11h00-13h30	<p style="text-align: center;"><u>Oral sessions</u> <u>Session C2: (Salle A. CHENNAF)</u> OC9, OC10, OC11, OC12, OC13, OC14, OC15, OC16, OC17, OC18</p>
11h15-11h30	<p style="text-align: center;"><u>OC10</u> SAISSI Soukaina <i>Faculty of Sciences and Technologies Settat Morocco</i></p> <p style="text-align: center;">The improvement of mechanical properties for lead alloys for battery grids</p>
11h30-11h45	<p style="text-align: center;"><u>OC11</u> SALHI Abdealaziz <i>LPTA, Département de Physique, Faculté des Sciences-DM, Fes Morocco</i></p> <p style="text-align: center;">Synthèse de Ba_{1-x}CaxTiO₃ par voie sol-gel modifiée et caractérisation structurale microstructurale et diélectrique de ce matériau</p>
11h45-12h00	<p style="text-align: center;"><u>OC12</u> BAKKARI Maha <i>LPTA, solar energy laboratory, Department of Physics, Faculty of sciences , Rabat Morocco</i></p> <p style="text-align: center;">Optimizing the consumption of pottry kiln in sale(Oulja)</p>

12h00-12h15	<p style="text-align: center;"><u>OC13</u> CHERRAD Hajar <i>ibn tofail university, Kenitra</i> <i>Morocco</i></p> <p style="text-align: center;">Growth, characterization and luminescence properties Nd-doped ZnO thin films</p>
12h15-12h30	<p style="text-align: center;"><u>OC14</u> DANI Ibtissam <i>Faculty of science Rabat</i> <i>Morocco</i></p> <p style="text-align: center;">Effect of crystal field and Transverse Field on the pseudogap phase of cuprates</p>
12h30-12h45	<p style="text-align: center;"><u>OC15</u> AMMARI Abdelmalek <i>Faculty of Science, University of Mohamed V Agdal, Rabat</i> <i>Morocco</i></p> <p style="text-align: center;">Mineralogical, chemical and textural studies of Roman mortars and its restoration: historical site of voulubilis as a case study</p>
12h45-13h00	<p style="text-align: center;"><u>OC16</u> ELHABCHI Mourad <i>University ibn Tofail, Kenitra</i> <i>Morocco</i></p> <p style="text-align: center;">Gain Improvement of microstrip antenna using Metamaterial Unit-Cell inspired in Superstrate with the Zero Refractive Index</p>
13h00-13h15	<p style="text-align: center;"><u>OC17</u> TALHA Lamiae <i>Faculty of science Dhar Mahraz, University of Sidi Mohammed Ben Abdellah , Fes</i> <i>Morocco</i></p> <p style="text-align: center;">Effect of charge polydispersity and charge residence time on the dynamics of a micellar system</p>
13h15-13h30	<p style="text-align: center;"><u>OC18</u> NACHIT Wafaa <i>Faculty of Sciences, Chouaib Doukkali University, El jadida</i> <i>Morocco</i></p> <p style="text-align: center;">The Performances of TiO2 Nanoparticles on Negative Electrode for Lithium Ion Batteries</p>
11h00-13h30	<p style="text-align: center;"><u>Oral sessions</u> <u>Session D2:</u> (Salle Pyramidale) OD9, OD10, OD11, OD12, OD13, OD14, OD15, OD16, OD17, OD18</p>
11h00-11h15	<p style="text-align: center;"><u>OD9</u> MUSHIRABWOBA Bernard <i>University Mohammed-V-Agdal, Ecole Mohammadia d'Ingénieurs, Rabat</i> <i>Morocco</i></p> <p style="text-align: center;">Contribution to the study of power losses due to friction phenomenon between spur gear teeth</p>

11h15-11h30	<p style="text-align: center;"><u>OD10</u> CHEMINGUI Marouen <i>Faculté des Sciences de Tunis</i> <i>Tunisia</i></p> <p style="text-align: center;">The effect of optical purity on the coexistence phenomenon and on the polarization – electric field hysteresis behavior in SmC* and SmC*A phases</p>
11h30-11h45	<p style="text-align: center;"><u>OD11</u> EDDIOUANE Abderrahim <i>Polydisciplinar Faculty, Ibn Zohr University , Ouarzazate</i> <i>Morocco</i></p> <p style="text-align: center;">Electronic and Optical Properties of Rutile TiO2 from First-Principles</p>
11h45-12h00	<p style="text-align: center;"><u>OD12</u> NINIS Ouafae <i>Sidi mohammed bnou abdillah university. laboratoire sciences d'ingénieur, Taza</i> <i>Morocco</i></p> <p style="text-align: center;">Combined Experimental And Theoretical Study Of Structural And Optoelectronic roperties Of New Conjugated Copolymers</p>
12h00-12h15	<p style="text-align: center;"><u>OD13</u> LOUARDI Ahmed <i>Faculté des Sciences Kenitra</i> <i>Morocco</i></p> <p style="text-align: center;">Characterization of spinel Mg cobalt oxide (Mg_xCo_{3-x}O₄) thin films prepared by a facile spray pyrolysis technique</p>
12h15-12h30	<p style="text-align: center;"><u>OD14</u> HARMOUZI Asmaa <i>Faculté des Sciences de Meknes</i> <i>Morocco</i></p> <p style="text-align: center;">Layered organic-inorganic hybrid dielectric [NH₃-(C₆H₄)₂-NH₃]CdCl₄ : Preparation, Cristal structure and optical properties studies</p>
12h30-12h45	<p style="text-align: center;"><u>OD15</u> BOUTAHIR Mourad <i>Faculté des sciences, université Moulay Ismai, meknes</i> <i>Morocco</i></p> <p style="text-align: center;">Comparison of Raman spectra between graphene nanoribbons</p>
12h45-13h00	<p style="text-align: center;"><u>OD16</u> RAMZI Zahra <i>Faculty of Sciences University of Couaïb Doukkali, El Jadida</i> <i>Morocco</i></p> <p style="text-align: center;">FTIR and physical properties studies of xBi₂O₃-(100-x)P₂O₅</p>
13h00-13h15	<p style="text-align: center;"><u>OD17</u> KHANNYRA Soad <i>Ibn Tofail University, Kenitra</i> <i>Morocco</i></p> <p style="text-align: center;">Gadolinium doped ZnO thins layers elaborated by spray pyrolysis, low concentration effect on the structural, optical luminescent, and ONL properties</p>

13h15-13h30	<p style="text-align: center;"><u>OD18</u> MRIGAL Asmaa <i>Ibn Tofail University, Kenitra</i> <i>Morocco</i></p> <p style="text-align: center;">Influence of precursor concentration on the synthesis of VO₂(M) polymorphs</p>
15h30-16h00	<p style="text-align: center;">Conference 12 (CONF12) (Amphi A. M. BELFKIH) Invited Speaker PETROKOV Plamen <i>Physics Department, University of Chemical Technology and Metallurgy, Sofia</i> <i>Bulgaria</i></p> <p style="text-align: center;">Nanoscaled Chalcogenide Films for Optical Applications</p>
16h-17h15	<p style="text-align: center;"><u>Oral sessions</u> Session B3: (Amphi A. M. BELFKIH) OB17, OB18, OB19, OB20, OB21, OB22, OB23, OB24</p>
	<p style="text-align: center;"><u>Oral sessions</u> Session D3: (Salle Pyramidale) OD17, OD18, OD19, OD20, OD21, OD22, OD23, OD24</p>
16h00-16h15	<p style="text-align: center;"><u>OB19</u> MRHARRAB Lamiae <i>LPTA, Physics Department, Faculty of Science DM, Fes</i> <i>Morocco</i></p> <p style="text-align: center;">Physicochemical characteristics of BaTi_{0.95}Zr_{0.05}O₃ ceramics</p>
16h15-16h30	<p style="text-align: center;"><u>OB20</u> ZERHOUNI Loubna <i>Faculté des sciences Ben M'sik, Casablanca</i> <i>Morocco</i></p> <p style="text-align: center;">caractérisation structural des ceramiques ferroélectriques TTB de formule Pb_{0.55-3y/2}GdyBa_{0.45}Nb₂O₆ (PGBN) (0≤y≤0.1)</p>
16h30-16h45	<p style="text-align: center;"><u>OB21</u> MESRAR Mohammed <i>Faculté des Sciences et Techniques, Fes</i> <i>Morocco</i></p> <p style="text-align: center;">Structural and electromechanical study of Bi_{0.5}Na_{0.5}TiO₃-BaTiO₃ solid-solutions</p>
16h45-17h00	<p style="text-align: center;"><u>OB22</u> ZOUITINE Asmaa <i>Faculty of Science, University of Mohamed V Agdal, Rabat</i> <i>Morocco</i></p> <p style="text-align: center;">Consequences of dielectric mismatch On the engineering band gap of PbS/CdS Core</p>
17h00-17h15	<p style="text-align: center;"><u>OB23</u> HARICHLI Kenza <i>faculté des sciences et techniques de Fes</i> <i>Morocco</i></p>

	<p align="center">Studies dielectric anomalies in BaZrxTi1-XO3 (0.45≤x≤0.55) ceramics prepared by</p> <p align="center">sol-g</p>
16h00-16h15	<p align="center"><u>OC20</u> FITRI Asmae <i>Faculté des Sciences Dhar El Mahraz, Fes</i> Morocco Molecular Engineering of Organic Materials Containing Thiazolothiazole Moiety for Dye-Sensitized Solar Cells : DFT & TDDFT Studies</p>
16h15-16h30	<p align="center"><u>OC21</u> EL HAMZI sara <i>Faculté des Sciences et Techniques Settat</i> Morocco Modeling Of The Influence Of Magnesium Addition Upon The Cooling Process And The Mechanical Properties Of Al-Sn Alloys</p>
16h30-16h45	<p align="center"><u>OC22</u> SABOR Said <i>University of Sidi Mohammed Ben Abdellah, Fes</i> Morocco Spectroscopy, Stability, and Single and Double Ionization of Transition Metal Complexes MX (M=Cr, Mo, W and X=O, C, H)</p>
16h45-17h00	<p align="center"><u>OC23</u> EZARFI Nabil <i>Faculty of Sciences Dhar El Mahraz (FSDM), University Sidi Mohammed Ben Abdallah (USMBA), Fes</i> Morocco Theoretical investigations, spectroscopy and spin orbit couplings for heavy metal complexes MX (M=Hg, Cd, Zn and X= O, S)</p>
17h00-17h15	<p align="center"><u>OC24</u> FERGANI Fatima <i>Université Moulay Ismaïl, Faculté des Sciences, Meknes</i> Morocco Influence of packing on the vibrations of bundles of C70 peapods</p>
16h00-16h15	<p align="center"><u>OD20</u> AIB Samia <i>University Mentouri Constantine, Department of Electronics, Chelghoum l'aid</i> Algeria Parallel plate waveguide with isotropic chiral medium route to metamaterial</p>
16h15-16h30	<p align="center"><u>OD21</u> BERRICHI Yamina <i>University of Tlemcen</i> Algeria Simulation electrical properties of InP/InGaAs NPN heterojunction bipolar transistors in microwave</p>
16h30-16h45	<p align="center"><u>OD22</u> BOUADJELA Salima</p>

	<p><i>University of Tlemcen</i> <i>Algeria</i> Effect of TiO₂ nanoparticles on physical and thermophysical properties of Tripropyleneglycol Diacrylate (TPGDA)/liquid crystal E7 systems</p>
16h45-17h00	<p><u>OD23</u> QACHAOU Youssef <i>Faculté des Sciences, Kenitra</i> <i>Morocco</i> Studies of SnS thin films grown by SILAR method</p>