

	<h1>PROGRAM</h1>
	<b>1<sup>st</sup> International Symposium on Physics of Data Storage (ISPDS-1)</b>

## Wednesday, December 16, 2015

17:00-19:00	<b>Registration</b>
19:30-21:00	<b>Welcome Dinner</b>

## Thursday, December 17, 2015

08:00-08:30	<b>Registration</b>
08:30-09:00	<b>Opening ceremony</b>
	President of the University of Picardie Jules Verne ( <b>Michel BRAZIER</b> )
	Director of the Faculty of Science ( <b>Mohammed BENLAHSEN</b> )
	President of the Organizing Committee ( <b>Yaovi GAGOU</b> )
09:00-09:45	<b>Prof. Gustau CATALAN, Espana</b> Flexoelectric Memories (Invited Talk) <span style="float: right;"><i>Chair: Prof. Pierre SAINT-GREGOIRE</i></span>
09:45-10:35	<b>Oral session</b> (chair: Prof. Gustau CATALAN)
30 min.	<b>Nathalie LEMEE, France</b> Polarization rotation in ferroelectric tricolor $\text{PbTiO}_3/\text{SrTiO}_3/\text{PbZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ superlattices
20 min.	<b>Jamal BELHADI, France</b> Effect of in-plane biaxial strain on the phase transitions in ferroelectric/paraelectric superlattices
10:35-10:50	<b>Coffee Break</b>
10:50-12:10	<b>Oral session</b> (chair: Dr. Nathalie LEMEE)

20 min.	<b>Bouchra ASBANI</b> , <i>Morocco</i> Electrocaloric effect in $\text{Ba}_{0.2}\text{Ca}_{0.8}\text{Ti}_{0.95}\text{Ge}_{0.05}\text{O}_3$ determined by a new pyroelectric method
20 min.	<b>Hana KADDOUSSI</b> , <i>Tunisia</i> Sequence of structural transitions and electrocaloric effect in $(\text{Ba}_{1-x}\text{Ca}_x)(\text{Zr}_{0.1}\text{Ti}_{0.9})\text{O}_3$ ceramics
20 min.	<b>Sara ABOU DARGHAM</b> , <i>France</i> $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ by Sol-Gel method: Synthesis and Characterization
20 min.	<b>Lhoussain KADIRA</b> , <i>Morocco</i> Fabrication and dielectric properties of La/Ca co-doped barium titanate ceramics
<b>12:10-14:00</b>	<b>Lunch</b>
<b>14:00-14:45</b>	<b>Prof. Gil ROSENMAN</b> , <i>Israel</i> Bioorganic Nanodots Memory Storage Devices (Invited Talk) <span style="float: right;"><i>Chair: Prof. Gustau CATALAN</i></span>
<b>14:45-16:35</b>	<b>Oral session</b> (chair: Prof. Gil ROSENMAN)
30 min.	<b>Claire MEYER</b> , <i>France</i> Broken-Symmetry Bent-Core Nematic Phases: Predictions and Reality
20 min.	<b>Younes EL BOUABI</b> , <i>Morocco</i> Voltammetric determination of paracetamol on carbon paste electrode modified fluoroapatite: analytical application
20 min.	<b>Nguyen HOAI THUONG</b> , <i>Russia</i> Switching processes of thin ferroelectric films in weak pulsing fields
20 min.	<b>Mohamed AFQIR</b> , <i>Morocco</i> Synthesis and characterization of Aurivillius-type layered oxides
20 min.	<b>Chandra S. PANDEY</b> , <i>Germany</i> Polar Nanoregions and Their Influence: A Case Study of Neodymium Doped $\text{Ca}_{0.28}\text{Ba}_{0.72}\text{Nb}_2\text{O}_6$
<b>16:35-16:50</b>	<b>Coffee Break</b>
<b>16:50-17:50</b>	<b>Poster session</b>
	<b>Bouchra ASBANI</b> , <i>Morocco</i> Correlation between ferroelectrics and electrocaloric properties in $\text{BaGe}_x\text{Ti}_{1-x}\text{O}_3$ ceramics, using direct and indirect methods
	<b>Latifa CHAIB</b> , <i>Morocco</i> Contribution a l'étude de la deformation polyphasee dans le massif eburneen de zenaga (anti-atlas central)
	<b>Mourad BOUGHRARA</b> , <i>Morocco</i> Phase diagrams and magnetic properties of the transvers using thin film

	<b>Bobo TIAN, China</b> Homogeneous switching mechanism in pure polyvinylidene fluoride ultrathin films
	<b>Hana KADDOUSSI, Tunisia</b> Indirect and direct electrocaloric measurements in lead-free BCZT ceramic
	<b>Meriem HARMEL, Algeria</b> Theoretical study of the structural and optoelectronic properties of NaXF <sub>3</sub> (X =Ca, Sr)
	<b>Dmitry KISELEV, Russia</b> Voltage-induced Domain Growth Kinetics in Ferroelectric BST 80/20 Thin Films by Piezoresponse Force Microscopy
	<b>Osmany GARCIA-ZALDIVAR, Cuba</b> BiFeO <sub>3</sub> codoping with Ba, La and Ti: Magnetic and structural studies
	<b>Fernandez AFONSO, Cuba</b> Average particle sizes of magnetite nanoparticle coated with oleic acid
	<b>Rajaa AMRI, Tunisia</b> Experimental study of one dimensional photonic crystal based on a mixture of (HMDSO/O <sub>2</sub> ) deposited by PECVD
	<b>Marie-Angèle FREMY, France</b> Structural characterisation of ZnO/ Bi <sub>2</sub> O <sub>3</sub> heterojunction prepared by solid state reaction at room temperature

## Friday, December 18, 2015

<b>09:00-09:45</b>	<b>Prof. N. ALIOUANE, The Netherlands</b> Magnetolectric domain control in multiferroic TbMnO <sub>3</sub> (Invited Talk) <span style="float: right;"><i>Chair: Prof. Gil ROSENMAN</i></span>
<b>09:45-10:35</b>	<b>Oral session</b> (chair: Dr. Abdelilah LAHMAR)
30 min.	<b>Kamel TAÏBI, Algeria</b> Ba(Ti <sub>0.96</sub> Mg <sub>0.013</sub> Nb <sub>0.026</sub> )O <sub>3</sub> ceramics: ferroelectric and photoelectrochemical applications
20 min.	<b>Salia CHERIFI-HERTEL, France</b> Interface Magnetolectric Coupling in Co/Pb(Zr,Ti)O <sub>3</sub>
<b>10:35-10:50</b>	<b>Coffee Break</b>
<b>10:50-12:20</b>	<b>Oral session</b> (chair: Prof. Kamel TAÏBI)
20 min.	<b>Sara EL HAMZI, Morocco</b> Modeling of the influence of thermic treatment upon the mechanical properties of aluminum-copper & aluminum-copper- magnesium alloys

20 min.	<b>Mourad BOUJNAH</b> , <i>Morocco</i> High efficiency of transmittance and electrical conductivity of V doped ZnO used in Solar cells Applications
20 min.	<b>Hassane CHADLI</b> , <i>Morocco</i> C60 and C70 filling rate dependence on theoretical Raman spectra of carbon peapods
30 min.	<b>Rachid ELMOUBARKI</b> , <i>Morocco</i> Ni/Fe and Mg/Fe layered double hydroxides and their calcined derivatives: preparation, characterization and application on dyes sorption
<b>12:20-14:00</b>	<b>Lunch</b>
<b>14:00-15:00</b>	<b>Prof. Pierre SAINT-GREGOIRE</b> , <i>France</i> On the crystal structures and phase diagrams in perovskites and TTB-type compounds (Invited Talk) <span style="float: right;"><i>Chair: Prof. Yaovi GAGOU</i></span>
<b>15:00-17:00</b>	<b>Oral session</b> ( <i>chair: Prof. Nadir ALIOUANE</i> )
20 min.	<b>Said YOUSFI</b> , <i>France</i> Investigation of the photovoltaic effect in BiFeO <sub>3</sub> thin films
20 min.	<b>Sana EL-KACEMI</b> , <i>Morocco</i> A one-pot synthesis of nanostructured mesoporous TiO <sub>2</sub> films on Graphite felt substrates for fast catalysis
30 min.	<b>Yaovi GAGOU</b> , <i>France</i> History of Data Storage
50 min.	<b>Pierre SAINT-GREGOIRE</b> , <i>France</i> <b>Round Table</b> : Collaborating Academic - Materials and Devices
<b>17:00-17:15</b>	<b>Coffee Break</b>
<b>17:15-18:00</b>	<b>Poster session</b>
	<b>Abdelhakim ZAIER</b> , <i>Algeria</i> Characteristics of ZnO:Al thin films prepared by thermal evaporation technique
	<b>Hicham AIT LAASRI</b> , <i>France</i> Lead-Free Ferroelectric Materials for Electrical Energy Storage
	<b>Abdelilah LAHMAR</b> , <i>France</i> Magnetic and Electro Paramagnetic Resonance of Mn <sup>2+</sup> and Gd <sup>3+</sup> within the system K <sub>3</sub> Sr <sub>2</sub> LnNb <sub>10</sub> O <sub>30</sub> (Ln = La, Gd)

	<b>Kheira HAMAIDA</b> , <i>Algeria</i> Ab-initio study of the mechanical and thermal properties of the cubic CsBeF <sub>3</sub>
	<b>Yamina BERREDJEM</b> , <i>Algeria</i> Improved performance of the solar cells by the introduction of an ultra-thin layer of metal
	<b>Anna Karelia COLLADO-COELLO</b> , <i>Cuba</i> Evaluation of an antimicrobial agent incorporated to a tissue adhesive based on n-butyl cyanoacrylate
	<b>Mohamed KEROUAD</b> , <i>Morocco</i> The hysteresis behavior of a ferroelectric or ferroelectric nanowire with core/shell morphology
	<b>Abdelhamid OUFKIR</b> , <i>Morocco</i> Phosphate sludge: analyze and physico-chemical characterization
	<b>Aziz NEQALI</b> , <i>Morocco</i> Diffuse phase transition and impedance spectroscopy analysis of Ba <sub>2.15-x</sub> Na <sub>0.7+x</sub> Nb <sub>5-x</sub> W <sub>x</sub> O <sub>15</sub> (0 < x < 1) ferroelectric ceramic
	<b>Abdelhai RAHMANI</b> , <i>Morocco</i> Vibrational properties of Single-Wall Boron nitride nanotubes inside Carbon nanotubes
	<b>Harrod LOGBO</b> , <i>France</i> Possible onset of mesoscopic ferroelectricity in dechiralization lines dynamics of a pure Ferroelectric Liquid Crystal in confined geometry
	<b>Billal ALLOUCHE</b> , <i>France</i> Lead potassium niobate Pb <sub>2</sub> KNb <sub>5</sub> O <sub>15</sub> thin film grown by Pulsed Laser Deposition
<b>18:00-19:30</b>	<b>Christmas Market Visit</b>
<b>20:00-22:30</b>	<b>Gala Dinner</b>

## Saturday, December 19, 2015

<b>09:00-09:45</b>	<b>Prof. J. F. SCOTT</b> , <i>United Kingdom</i> New Multiferroics: GaFeO <sub>3</sub> and BaFe <sub>12</sub> O <sub>19</sub> (Invited Talk) <span style="float: right;"><i>Chair: Dr. Billal ALLOUCHE</i></span>
<b>09:45-10:15</b>	<b>Closing</b>