



<b>OPENING 8.45 - 9.00</b>	
<b>CHAIRMAN</b>	<b>(ROOM 1) Cyril Popov</b>
<b>INVITED 9.00 - 9.40</b>	<b>Yasuo Cho (I-1)</b> Statistical analysis of local C-V map data for ferroelectric thin films
<b>INVITED 9.40 - 10.20</b>	<b>Hynek Nemec (I-2)</b> Time domain terahertz spectroscopy: methods and applications
<b>ORAL 10.20 - 10.40</b>	<b>Diouma Kobor (O-1)</b> In situ temperature structural transitions of ferroelectric PZN-4.5PT nanoparticles thin films using synchrotron lightsource
<b>ORAL 10.40 - 11.00</b>	<b>Sana Zakaria (O-2)</b> In the absence of sulfurization: zinc molarity effect on nontoxic and low cost CZTS thin films deposited by spin coating technique

<b>BREAK 11.00 - 11.30</b>	
<b>CHAIRMAN</b>	<b>(ROOM 1): Hynek Nemec, Mustapha Ait Ali</b>

<b>INVITED 11.30 - 12.10</b>	<b>Vid Bobnar (I-3)</b> Designing novel inorganic and polymer systems with enhanced dielectric and electromechanical response
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<b>CHAIRMAN</b>	<b>(ROOM 1) Hynek Nemec</b>	<b>(ROOM 2) Mustapha Ait Ali</b>
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<b>ORAL 12.10 - 12.30</b>	<b>Zahra Ramzi (O-3a)</b> Effect of the glass composition on the dielectric properties of strontium-phosphate-based glasses	<b>Lahcen Ait Lamine (O-3b)</b> DFT investigation of structural and electronic properties of zinc oxide
<b>ORAL 12.30 - 12.50</b>	<b>Salma Larguech (O-4a)</b> Electrical properties and dielectric relaxation studies in microcrystalline cellulose/multiwalled carbon nanotubes/EVA-VeoVa ternary composites	<b>Abdellah Hbab (O-4b)</b> Investigation of structural and electronic properties of ferroelectric phase of LiNbO <sub>3</sub> using PZ and VdW-DF functionals: a DFT study
<b>ORAL 12.50 - 13.10</b>	<b>Marouan Karam (O-5a)</b> Contribution of volume and surface magnons to the study of the magnetic properties of Fe/Pt superlattices	<b>Said Amounas (O-5b)</b> DFT study of spontaneous polarization and refractive indices of tetragonal BaTiO <sub>3</sub> and PbTiO <sub>3</sub> for various pseudopotentials
<b>ORAL 13.10 - 13.30</b>	<b>Mouhsine Laayati (O-6a)</b> Synthesis and characterisation of GO/SrFe <sub>12</sub> O <sub>19</sub> as magnetic hybrid nanocatalyst for regioselective ring-opening of epoxides with amines under eco-friendly conditions	<b>Meriem Boutaldat (O-6b)</b> Simulation study of triboelectric nanogenerator for effective energy harvesting
<b>ORAL 13.30 - 13.50</b>	<b>Ciril Popov (O-7a)</b> Fabrication of diamond photonic nanostructures	<b>Tomasz Masłowski (O-7b)</b> Long time protonic conductivity behavior of CsH <sub>5</sub> (PO <sub>4</sub> ) <sub>2</sub> crystal at high pressure

<b>BREAK 13.50 - 15.00</b>	
<b>CHAIRMAN</b>	<b>(ROOM 1) Roger M. Leblanc</b>

<b>INVITED 15.00 - 15.40</b>	<b>Friedrich Kremer (I-4)</b> Glassy dynamics and charge transport in (polymeric) ionic liquids
<b>INVITED 15.40 - 16.20</b>	<b>Andrzej Katrusiak (I-5)</b> Compressibility of chemical compounds
<b>ORAL 16.20 - 16.40</b>	<b>Ilham Bouknaitir (O-8)</b> Electrical impedance analysis of carbon dots/PMMA composite materials
<b>ORAL 16.40 - 17.00</b>	<b>Rajae Belhimria (O-9)</b> Structural dependent electrical impedance spectroscopy behaviour of multiwalled Carbon nanotube/Graphite/Polyester ternary composites
<b>ORAL 17.00 - 17.20</b>	<b>Zineb Samir (O-10)</b> Electrical and dielectric properties of different forms of carbon allotropes/resin epoxy composite materials near the percolation threshold
<b>ORAL 17.20 - 17.40</b>	<b>Kevin Amith Mathias (O-11)</b> Dielectric and mechanical studies on silicone rubber particle and liquid filled composite material

END OF THE DAY

## BEGINNING OF THE DAY

CHAIRMAN (ROOM 1) Yasuo Cho

INVITED	9.00 - 9.40	<b>Anna Gaĝor (I-6)</b> The cation- and metal-controlled properties of hybrid hypophosphite perovskites
ORAL	9.40 - 10.00	<b>Miriam Achkar (O-12)</b> Electrocaloric characterization of samarium doped barium titanate ceramics synthesized by sol-gel process
ORAL	10.00 - 10.20	<b>Layla Farhat (O-13)</b> Measurement of the dynamic temperature response of electrocaloric effect in solid ferroelectric materials via thermoreflectance
ORAL	10.20 - 10.40	<b>Eskilla Venkata Ramana (O-14)</b> Processing and electrical characterization of $\text{Ba}(\text{Ti}_{0.8}\text{Zr}_{0.2})\text{O}_3$ - $(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ lead-free piezoelectrics for energy-efficient caloric applications
ORAL	10.40 - 11.00	<b>Nidal Khemmou (O-15)</b> Effect of an additive organic TE1 in improving the quality of nickel electroplating on brass

BREAK 11.00 - 11.30

CHAIRMAN (ROOM 1): Ashok Vaseashta, Friedrich Kremer

INVITED	11.30 - 12.10	<b>Luis Cadillon Costa (I-7)</b> Using impedance spectroscopy to characterize materials
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CHAIRMAN (ROOM 1) Ashok Vaseashta (ROOM 2) Friedrich Kremer

ORAL	12.10 - 12.30	<b>Salma Kaotar Hnawi (O-16a)</b> Novel organometallic complexes and their application in solar cells	<b>Adam Ostrowski (O-16b)</b> Proton conductivity of imidazole or 1,2,4-triazole entrapped in microporous molecular sieves
ORAL	12.30 - 12.50	<b>Silvia Gavinho (O-17a)</b> Electrical properties of cerium-containing Bioglass®	<b>Yassine El Hasnaoui (O-17b)</b> Designing of new dielectric resonator antenna fed by microstrip line with quarter wave transformer
ORAL	12.50 - 13.10	<b>Imen Hammami (O-18a)</b> The effect of niobium oxide on the structure, electrical and biological properties of 45S5 bioactive glass	<b>Messaoud Hamouda (O-18b)</b> Determination of the critical sizes of an electric discharge on a disk model
ORAL	13.10 - 13.30	<b>Manuel Pedro Graca (O-19a)</b> TSDC studies on bioglasses charged by the Corona discharge method	<b>Khadija Oumghar (O-19b)</b> Characterization of electroactive nanocomposite based on polylactiditetanium dioxide for piezoelectric $\beta$ -phase improvement
ORAL	13.30 - 13.50	<b>Paolo Negro (O-20a)</b> $\text{MoS}_2/\text{TiO}_2$ heterojunctions for tuning the optical properties: a case study	<b>Najoia Aribou (O-20b)</b> Predictive model on the DC electrical conductivity of filler/matrix interphase zone of two- and three-dimensional composites

BREAK 13.50 - 15.00





BREAK 13.50 - 15.00		CHAIRMAN (ROOM 1): Anna Gągor, Luis Cadillon Costa	
INVITED 15.00 - 15.40		<b>Amina Tachafine (I-8)</b> Microscopic and macroscopic electrical properties and impedance spectroscopy of strontium-calcium titanate materials for environmentally friendly monolithic ceramic capacitors	
CHAIRMAN (ROOM 1) Anna Gągor		(ROOM 2) Luis Cadillon Costa	
POSTER 15.40 - 15.50	<b>Marina Ciobanu (P-1a)</b> The features of X-ray diffraction in non-stoichiometric $\text{AsS}_3\text{-GeS}_4$ glassy thin films	POSTER 15.40 - 15.50	<b>Asma Triki (P-1b)</b> Interfacial polarization effect analysis of hybrid recycled cotton fibers reinforced unsaturated polyester composites
POSTER 15.50 - 16.00	<b>Vania Ilcheva (P-2a)</b> Synthesis, characterization and dielectric properties of $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$	POSTER 15.50 - 16.00	<b>Stanisław A. Różański (P-2b)</b> Effect of surface treatment on the dynamics of relaxation processes in confinement
POSTER 16.00 - 16.10	<b>Eskilla Venkata Ramana (P-3a)</b> Ferroelectric and pyroelectric characterization of promising perovskite ceramics	POSTER 16.00 - 16.10	<b>Ikhlass Benamara (P-3b)</b> Numerical simulation of coffee grounds pyrolysis for biofuels production
POSTER 16.10 - 16.20	<b>Ivan Yakovkin (P-4a)</b> Hysteresis of surface plasmon polariton effective index induced by liquid crystal reorientation	POSTER 16.10 - 16.20	<b>Natalia Bielejewska (P-4b)</b> Nanocomposite molecular films based on nanocrystalline cellulose and liquid crystals
POSTER 16.20 - 16.30	<b>Arulmozhi Durairajan (P-5a)</b> $\text{Li}^+$ and $\text{W}^+$ ion irradiation induced changes on the electrical properties of $\text{BaSnO}_3$ ceramics	POSTER 16.20 - 16.30	<b>Tomasz Szczepański (P-5b)</b> Electron scattering by magnetic quantum dot in the topological insulator
POSTER 16.30 - 16.40	<b>Bartłomiej Andrzejewski (P-6a)</b> Electric and structural properties of ZnO-based surge arrester ceramics	POSTER 16.30 - 16.40	<b>Badiaa Bachiri (P-6b)</b> Impact of bismuth iodide ( $\text{BiI}_3$ ) interfacial layer on perovskite solar cell based $\text{MAPbI}_3$
POSTER 16.40 - 16.50	<b>Paweł Ławniczak (P-7a)</b> Starch-based protonic conductors	POSTER 16.40 - 16.50	<b>Faissal El Manjli (P-7b)</b> An innovative approach to produce black phosphorus from red phosphorus via the addition of small amounts of iron
POSTER 16.50 - 17.00	<b>Andrzej Hilczer (P-8a)</b> Dielectric and magnetic response of $\text{Sr}_{1-x}\text{Nd}_x\text{Fe}_{12}\text{O}_{19}$ ( $0 \leq x \leq 0.09$ ) hexaferrite nanoceramics	POSTER 16.50 - 17.00	<b>Benyamna Belkacemi (P-8b)</b> Comparative study of $\text{AgGaSe}_2$ and $\text{AgGaTe}_2$ chalcopyrite-based solar cells
POSTER 17.00 - 17.10	<b>Arulmozhi Durairajan (P-9a)</b> Low temperature dielectric, magnetic and spectral behaviour of pure and Mn doped multiferroic $\text{BiFeO}_3$ nano ceramics	POSTER 17.00 - 17.10	<b>Ikhlass Benamara (P-9b)</b> Modelling and simulation of the optical properties of zinc oxide thin films targeting the optimal configuration (ZnO/Substrate)
POSTER 17.10 - 17.20	<b>Ruzha Harizanova (P-10a)</b> Dielectric properties of strontium-substituted barium titanate glass-ceramics	POSTER 17.10 - 17.20	<b>Oleh Kozachenko (P-10b)</b> Stress dependent photovoltaic effect in the ferroelectric $\text{Pb}[(\text{Mg}_{1/3}\text{Nb}_{2/3})_x\text{Ti}_{1-x}]_2\text{O}_7$ crystal
POSTER 17.20 - 17.30	<b>Souad Ait Saghir (P-11a)</b> Structural, phonon and dielectric properties calculations based on DFT and modern theory of polarization	POSTER 17.20 - 17.30	<b>Messaoud Hamouda (P-11b)</b> Study of the parameters of influence on the critical conditions of the flashover
POSTER 17.30 - 17.40	<b>Abderrahim Ait Lhaj (P-12a)</b> Theoretical modeling of structural, electronic and optical properties of tin dioxide	POSTER 17.30 - 17.40	<b>Veselin Zhelev (P-12b)</b> Study of samarium doped ceria prepared by ionic gelation method and solid state reaction synthesis

END OF THE DAY



BEGINING OF THE DAY		
CHAIRMAN	(ROOM 1) Amina Tachafine	
INVITED	9.00 - 9.40	<b>Marinella Striccoli (I-9)</b> Functional nanostructured materials by wet chemistry synthetic routes
INVITED	9.40 - 10.20	<b>Mustapha Ait Ali (I-10)</b> Chemistry of 2D-nanomaterials; silicene-siloxene: synthesis and functionalization
ORAL	10.20 - 10.40	<b>Abdallah Nayad (O-21)</b> Direct synthesis of dehydrogenated siloxene materials: towards the improvement of physical and electrochemical responses
ORAL	10.40 - 11.00	<b>Younes Ouamar (O-22)</b> Using ANN modelling to Improve the accuracy of energy baseline models for Industrial Buildings
BREAK 11.00 - 11.30		
CHAIRMAN	(ROOM 1) Bartłomiej Andrzejewski	
YS	11.30 - 11.50	<b>Zineb Gargar (Y-1)</b> Grain size effects on dielectric properties of yttrium doped BaTiO <sub>3</sub> ceramics
YS	11.50 - 12.10	<b>Zakia Aribou (Y-2)</b> Effect of organic additive on the electrodeposition of a copper deposit: electrochemical and corrosion resistance study
YS	12.10 - 12.30	<b>Nouhaila Ferraa (Y-3)</b> Valorization of three apatitic calcium phosphates (PTCa, HA and OCPa) as steel corrosion inhibitors in NaCl 3%: Characterization and comparison
YS	12.30 - 12.50	<b>Yassine Nioua (Y-4)</b> Electrical conductivity study of epoxy polymer loaded with reduced Graphene Oxide particles
YS	12.50 - 13.05	<b>Salma Kaotar Hnawi (Y-5)</b> Novel schiff base complexes and natural dye as sensitizers in dye sensitized solar cells
YS	13.05 - 13.20	<b>Agata Tabero (Y-6)</b> Imidazole-loaded KIT-6 mesoporous materials with high proton conductivity
YS	13.20 - 13.35	<b>Tobiasz Banaszek (Y-7)</b> Study of physicochemical properties of new composite films formed by cellulose derivatives with imidazole
YS	13.35 - 13.50	<b>Konrad Rotnicki (Y-8)</b> Analysis of the ionic liquid trapped in carbon matrices using FTIR, Raman and dielectric spectroscopy
BREAK 13.50 - 15.00		
CHAIRMAN	(ROOM 1) Vid Bobnar	
INVITED	15.00 - 15.40	<b>Roger M. Leblanc (I-11)</b> Novel carbon dot nanomaterials with dielectric and thermoelectric properties
INVITED	15.40 - 16.20	<b>Ashok Vaseashta (I-12)</b> Hierarchical integration of electrospinning and 3D/4D printing process for rapid prototyping
ORAL	16.20 - 16.40	<b>Rania Lataoui (O-23)</b> Electrical properties of La <sub>1-x</sub> Sr <sub>x</sub> FeO <sub>3</sub> (0 ≤ x ≤ 0.5) ortho-ferrites by dielectric spectroscopy
ORAL	16.40 - 17.00	<b>Oussama Oulhakem (O-24)</b> Studying the photocatalytic properties of tungstate-based materials for water splitting
ORAL	17.20 - 17.40	<b>Ivan Yakovkin (O-25)</b> Orientational instability of the director in a planar flexoelectric nematic cell with easy axis gliding
CLOSING 17.40		