



PROGRAM

Tuesday, December 4th, 2012

17h00-19h00 Welcome Reception & Registration (**ENSAJ**)

Wednesday, December 5th, 2012 (**ENSAJ**)

Registration 8h00 - 9h00

9h00: Opening ceremony

Plenary Session I

Chair: Pr Aurelia Meghea

9h30: Plenary conference I

Pr N. Jaffrezic-Renault(Lyon 1, France)

“Use of nanoparticles for enhancing IDE biosensor response”

10h00 : Plenary conference II

Pr Marc Sallé (Angers, France)

“Redox- or photo-molecular switches: some examples”

10h30: Plenary conference III

Pr Mickaël Lallart (Lyon, France)

Electrostrictive polymers for high strain actuation and energy harvesting

Coffee break 11h00-11h30

Session A1: Energy/Materials - “Vibrations and Acoustic” Chair: Mickaël Lallart	Session We.B1: Photonics Chair: Marc Sallé
<p>11h30A1.1. Polymer Film As An Acoustic Sealing Applied To A Silicon Mems Microspeaker. <u>A. Houdouin</u>, I. Shahosseini, N. Yaakoubi, E. Lefevre, E. Martincic, Y. Aurégan, S. Durand(France)</p> <p>11h50 A1.2. Inverse model of the piezoelectric ceramic polarization under wide bandwidth mechanical excitations with fractional derivative consideration <u>Bin Zhang</u>, Benjamin Ducharne, Daniel Guyomar(France)</p> <p>12h10 A1.3. Multimodal Nonlinear Damping Technique Using Spatial Filtering <u>Linjuan Yan</u>, Mickaël Lallart, Daniel Guyomar (France)</p>	<p>11h30 B1.1.“Taking Control Of The Photoluminescence Of Hybrid Nanowires” <u>Jean-Luc Duvail</u>(France)(Invited Speaker)</p> <p>11h50 B1.2.“Electrochemical and Optical Properties of Multifunctional Ligands and their Metal Complexes” <u>Abdelkrim El-Ghayoury</u>(France) (Invited speaker)</p> <p>12h10 B1.3“[2,2]Paracyclophane derivatives: structure, dynamics and their interrelation with NLO properties” <u>Lada N. Puntus</u> (Moscow, Russia) (Invited speaker)</p>

12h30-13h55: Lunch



ODEP Village

Session A2: Energy/Materials - "Measurements and experimental procedures" Chair: Laurence Seveyrat	Session We.B2 :Photonics Chair: François Kajzar
<p>14h00 A2.1. DLTS Investigation Of Carrier Traps And Interface States In Large Internal Gain Uv Photodetectors Based On BGaN Films <u>A. Ahaitouf</u>, S. Amor, H. Srouf, A. Ougazzaden, and J. P. Salvestrini, (Morocco)Invited speaker</p> <p>14h20 A2.2.A study on polyurethane-based blend with enhanced electroactive properties <u>Oin Liu</u>, Daniel Guyomar, Laurence Seveyrat, Guiffard Benoit (France)</p> <p>14h40 A2.3.High Frequency Ultrasound Measurement In A Thin Bioglass Element, Based On Si, Ca, Na, Versus Different Technological Parameters: Study On The Dispersion Of The Mechanical Properties <u>Ahmed Bachar</u>, George Nassar, Cyrille Mercier, Franck Bouchart, and Claudine Follet (France)</p> <p>15h00 A2.4.A New Model Of Active Thermography For The Reconstruction Of A Triangular Geometry Defects" <u>Ahmed Elhassnaoui</u>, Abdessamad El Ballouti, Smail Sahnoun(Morocco)</p> <p>15h20 A2.5 Powder metal forged and c-70 steel forged. Fatigue analysis of connecting rod <u>A. Soufi</u>, M. Talea, B. Boubeker (Morocco)</p>	<p>14h00 B2.1. "Photophysical Properties of Alq3 thin films" <u>Anna Zawadzaka</u>(Poland) (invited speaker)</p> <p>14h20 B2.2."Application of high-resolution IR spectroscopy and isotope labeling for detailed investigation of TiO2 / gas interface reactions <u>Svatopluk Civiš</u>, Czech republic (Invited speaker)</p> <p>14h40 B2.3 "DNA functionalised materials doped with natural chromophors for biophotonic applications" <u>Aurelia Meghea</u>, (Romania)Invited speaker)</p> <p>15h00 B2.4"Spectroscopic Studies Of Rare Earth-Doped Halogenophosphates Glasses" <u>O. Bentouila</u>, K.E. Aiadi, F. Rehoumaand M. Poulain (France)</p> <p>15h20 B2.5."Effect of poling in Polymers Containing Azobenzene Push–Pull Chromophores on nonlinear optic of second and third order" <u>H. El ouazzani</u>(France/Morocco)</p>

Coffee Break 15h40-16h10

Session A3: Energy/Materials "Magnetics, Metals" Chair: A Arof	Session We.B22 Sensors Chair: N. Jaffrezic-Renault
<p>16h10 A3.1"Magnetic and electronic properties of new half-metals" <u>Abdelilah Benyoussef</u>(Morocco) Invited speaker</p> <p>16h30 A3.2 Continuum Radiation Induced During Ion Beam Sputtering Of Clean And Oxygenated Targets Of Some Transition Metals <u>A. El Boujlaidi</u>, M. Ait Fqih, K. Hammoum, H. Aouchiche, A. Kaddouri (Morocco)</p> <p>16h50 A3.3. The Variation Of Magnetotransport Properties Depending On Magnetic And Non Magnetic Thickness Of Ni81Fe19/Zr Multilayered System <u>K. El Aidoudi</u>, H. Lassri, A. Fahmi a and A. Qachaou (Morocco)</p> <p>17h10 3.4 Half-Metallic Antiferromagnets Nature Of Sr2OsMoO6 From ab Initio Calculations <u>A. Fakhim Lamrani</u>, M. Ouchri, A. Benyoussef, M. Belaiche and M. Loulidi (Morocco)</p>	<p>16h10B3.1"Unconventional process for the development of flexible lab-On-Chip: Application to detection of biomarkers of heart failure" <u>A.Errachid</u>,(France) Invited speaker</p> <p>16h30B3.2"Colloidal particles from conventional diagnostic to bionanotechnology applications" <u>Abdelhamid Elaissari</u>, (France) (Invited speaker)</p> <p>16h50 B3.3"Advanced Materials For Application In Biosensing Of Toxic Compounds" <u>Camelia Bala</u> (Romania)Invited speaker</p> <p>17h10 B3.4"Nanostructured Tungsten Trioxide Thin Films By Aqueous Chemical Growth For Applications In Gas Sensing" <u>B.T. Sone,T. Malwela, L. Vayssieres, R. Bucher, E. Iwuoha and M. Maaza</u> (South Africa)</p>

Posters Session A: Wednesday 05, December: 17h30 - 19h00



Thursday, December 6th, 2012 (ODEP Village)

Plenary Session II
Chair: Pr Einar Halvorsen

8h30: Plenary conference IV

Pr François Kajzar (Bucharest, Romania)

“Interest and potentiality for applications of deoxyribonucleic acid in electronics and in photonics”

9h00: Plenary conference V

Pr Roberta Ramponi (Milano, Italy)

“Femtosecond Laser Micromachining For Biomedical And Energy Applications”

9h30: Plenary conference VI

Pr Gaston Franck Gascoin (Caen, France)

“Thermoelectricity today, new processes for improved performance”

Coffee break 10h00-10h30

Session A4: Energy/Materials - “Modeling” Chair: A Benyoussef	Session Th.B3 : Photonics/Sensors Chair: Jurek Sadowski
<p>10h30A4.1. <i>Electronic and magnetic properties of Mn-doped 6H-SiC: Experiment and first principal calculation”</i> <u>Khalid Bouziane</u>(Morocco) (Invited speaker)</p>	<p>10h30B4.1 “<i>Advances in Sub-Wavelength Photonics as seen from COST Action MP0702 (2008-2012) perspective”</i> <u>Marian Marciniak</u>(Poland)(Invited speaker)</p>
<p>10h50A.4.2. Improved Whitten-Rabinovitch Approximation For The Rrkm Calculation Of Unimolecular Reaction Rate Constants For H⁺_{2n+1} Hydrogen Clusters <u>M. Tabti</u>, A.Eddahbi and S. Ouaskit (Morocco)</p>	<p>10h50 B4.2. “<i>Up-conversion emission in KGd(WO4)2 crystals doped with Ho³⁺, Er³⁺, Tm³⁺ and Yb³⁺ ions”</i> <u>Dobrosława Kasproicz</u>(Poland)(Invited speaker)</p>
<p>11h10 A4.3. Modeling And Simulation Of Growth Of The Agglomeration Of Dust <u>A. El Kebch</u>, N. Dlimi, M. El Mouden, D. Saifaoui (Morocco)</p>	<p>11h10 B4.3. “<i>Chalcogenide glasses for photonics”</i> <u>M. Popescu</u>(Romania) (Invited speaker)</p>
<p>11h30A.4.4. Study Of The Failure Kinetic Of The Composite Materials: The Local Load-Sharing Rule (LLS) <u>A. Hader</u>, Y. Boughaleb, I. Achik, and K. Sbiaai (Morocco)</p>	<p>11h30 B4.4. “<i>On the photo-induced phenomena in nano-structured oxides: case of ZNO, VO2 and Cr2O3”</i> <u>M. Maaza</u>(South Africa) (Invited speaker)</p>
<p>11h50 A4.5. Improvement Of Desorption Temperature In Mg14ABH32 (A = Ti, Fe, Sc and B=Al, Li) Predicted By First Principle Calculations <u>M. Bhihi</u>, M. Lakhal, S. Naji, H. Labrim, B. Khalil, A. Benyoussef, A. Belhaj, A. El Kenz, M. abdellaoui, O. Mounkachi, E.K. Hlil (Morocco)</p>	<p>11h50B4.5. “<i>Laser Ablation: The latest advances, trends and Novel Pulsed Laser Adaptive Technique for in situ hybrid nanocomposites coatings synthesis”</i> <u>Valery. Serbezov</u>(Bulgarie)(Invited speaker)</p>
<p>12h10 A4.6. Interaction Effect On Order/Disorder Transition Of Lattice Gas Model <u>M. Snina</u>: R. Nassif, M. Bennai and Y. Boughaleb (Morocco)</p>	<p>12h10 B.4.6. “<i>Several approaches for optical data storage in thin organic films”</i> <u>D. Gindre and K. Iliopoulos</u> (France)(Invited speaker)</p>

Lunch: 12h30 -13h55



<p>Session A5: Energy/Materials - "Solar energy" Chair: Jean-Luc Duvail</p> <p>14h00 A5.1. "Quasi solid state dye-sensitized solar cells based on poly(vinyl alcohol) (PVA) electrolytes containing I-/I3- redox couple" <u>A. Arof</u> (Malaysia) (Invited speaker)</p> <p>14h20 A5.2. Defect Energetics In Prototype Solar Cell Material CuInSe₂. Laura Oikkonen, Maria G Ganchenkova, <u>Ari P Seitsonen</u></p> <p>14h40 A5.3. Fabrication And Modeling Of Organic Bulk Heterojunction Solar Cells Based On New Synthesized Polymer Anthracene-Containing Ppe-Ppv <u>Safae Aazou</u>, Asmaa Ibral, Matthew S. White, Martin Kaltenbrunner, Eric D. Glowacki, Daniel A. M. Egbe, Niyazi Serdar Saricifci and El Mahdi Assaid (Morocco)</p> <p>15h00 A5.4. Organic Solar Cells <u>Makha Mohammed</u> (Morocco /France)</p> <p>15h20 A5.5. Performance Study Of Adsorption Cooling Machine Using Solar Energy <u>A. Al Mers</u>, A. Bouatem (Morocco)</p> <p>15h40 A5.6. Remarkable Influence Of Heat Treatment On AC Irreversibility Line And Flux Pinning Properties In (Y1-xEux)SrBaCu3O6+z" <u>R. Morghi</u>, A. Nafidi, A. Aboukassim, A. Idbaha, H. Chaib, K. Khallouq, M. Massaq, B. Mari Soucase, K. Chander Singh (Morocco)</p>	<p>Session Th.B4 :Energetics/Photonics Chair: A. Meghea</p> <p>14h00 B5.1 In-situ Microscopic Studies of the Energetics at the Organic-Metal Interface". <u>Jurek Sadowski</u> (USA) (invited speaker)</p> <p>14h20 B5.2 "Synthesis, characterization and application of semiconductor nanocrystals in third generation solar cells" <u>Moloto Nosipho</u> (South Africa) (Invited speaker)</p> <p>14h40 B5.3 "Opals: a suitable tool for photonic sensors" <u>Andrea Chiappini</u> (Italy) (Invited speaker)</p> <p>15h00 B5.4 "High-throughput production of size and frequency controlled monodisperse liquid crystals droplets using voltage-based microfluidics" <u>Abdel I. El Abed</u> (France) (Invited speaker)</p> <p>15h20 B5.5 "The effect of various vegetable oils in obtaining lipid nanocarriers for sea buckthorn extract encapsulation". <u>Ana Maria Manea</u> (Romania)</p> <p>15h40 B5.6. Humbert Beams: A Novel Doughnut Light <u>H. Nebdi</u>, A. Belafhal (Morocco).</p>
<p style="text-align: center;">Coffee Break 16h00-16h30</p>	
<p>Session A6: Energy/Materials : "Doping and fillers" Chair: Franck Gascoin</p> <p>16h30 A6.1. Influence Of The Type Of Carbon-Based Nano-Objects <u>L. Seveyrat</u>, Invited Speaker (France)</p> <p>16h50 A6.2. A novel sensing device based on impedance measurement for the detection of Li⁺ using PPy [3,3'-Co(1,2-C2B9H11)2] as a solid contact <u>S. Merzouk</u>, N. Zine, M. Tahajanan, M. Agouzoul, J. Bausells, F. Teixidor, N. Renault-Jaffrezic, A. Errachid</p> <p>17h10 A6.3. Size, Morphology And Surface Charge Control Of CaCO₃ Nanocrystals By Anionic Polyelectrolytes <u>Amane Jada</u> (France)</p> <p>17h30 A6.4. The Strong Influence Of Iron Additions To The Lead-Lanthanum-Titanate Ceramics <u>L. H. Omari</u>, S. Sayouri (Morocco)</p>	<p>Session Th.B5 :Optoelectronics Materials Chair : A. El Ghayoury</p> <p>16h30 B6.1 "Low Optical Loss Nano-Structured TiO₂ Planar Waveguides By Sol-Gel Route For Photonic Applications" <u>T. Touam</u>, L. Znaidi, D. Vrel, O. Brinza, I. N. Kuznetsova, I. Hadjoub, A. Fischer, A. Boudrioua (Algeria)</p> <p>16h50 B6.2 "Optical Characterization Of Thick Ingan Layers For Solar Cell Applications" <u>Y. El Gmili</u>, A. Ahaitouf, G. Orsal, K. Pantzas, T. Moudakir, and S. Gautier (France)</p> <p>17h10 B6.3 Morphology, thermal properties and internal structure of Electrospun Poly(vinyl alcohol)/Carbon nanotubes composites nanofiber" <u>Naoual Diouri</u>, Mimouna Baitoul (Morocco)</p> <p>17h30 B6.4 " Nonlinear Photonic Applications of Graphene" <u>Stelios Couris</u> (Grèce) (Invited speaker)</p>

Posters Session B: Thursday, December 6th, 2012: 17h50 - 19h00
Gala dinner at 20h Riad Somed (Salle de fête)



Friday, December 7th, 2012 (ODEP Village)

Plenary Session III

Chair: Pr Marian Marciniak

9h00: Plenary conference VII

Pr Einar Halvorsen (Univ-College-Vestfold, Norway)

"Micromachined vibration energy harvesters"

9h30: Plenary conference VIII

Pr Ileana Rau (Bucarest, Romania)

DNA complexes with NLO chromophors for biophotonics

10h00: Plenary conference IX

Pr Joan Bausells (Spain)

"Materials for silicon-based (bio) chemical sensing systems"

Coffee break 10h30-11h00

<p>Session A7: Energy/Materials "Energy Harvesting" Chair: C Courtois</p>	<p>Session Fr.B7 : Photonics Chair : I. Rau</p>
<p>11h00A7.1. Elaboration And Characterization Of A Wideband Piezoelectric Generator For Energy Harvesting <u>Mohamed Rguiti</u>, (France)(Invited speaker)</p>	<p>11h00 B7.1A Comparative Study Between Bgan Layers Grown On Gan/Al2o3 And Aln/Al2o3 By Mopve <u>M. Bouchaour</u>, N. Maloufi, G. Orsal, S. Gautier, A. Ould-Abbas, N.E. Chabane Sari, A. Ougazzaden(Algeria)</p>
<p>11h20 A7.2. Mechanical Energy Harvesting Using Hybridization Of Polyurethane Nanocomposites And Electrets <u>Fouad Belhora</u>, Pierre-Jean Cottinet, Abdelowahed Hajjaji, Daniel Guyomar, Lionel Petit, M'hammed Mazroui, Laurent Lebrun, Yahia Boughaleb (France/Morocco)</p>	<p>11h20 B7.2Raman study of graphene/nanostructured oxides interaction. <u>M. Khenfouch</u>, D. Elazhari, M. Baïtoul, M. Maaza (Morocco)</p>
<p>11h40 A7.3Low-Cost Charge Of Electrostrictive Polymers For Efficient Energy Harvesting Mickaël Lallart, <u>Liuqing Wang</u>, Lionel Petit, Laurent Lebrun and Daniel Guyomar (France)</p>	<p>11h40 B7.3 Calculation of Effective Index For Different Dielectric Waveguides Structures Made Of PvcI / Pmatrife Polymers At Wavelength 1.55 μm <u>A. Mamanou</u> , F. Khelfaoui and K.E Aiadi (Algeria)</p>
<p>12h00 A7.4.Energy Harvesting From River Sediment Using A Biofuel Cell: Preliminary Tests <u>Philippe Namour</u>, Emie Nabor, Matthieu Picot, Laure Lapinsomière, Frédéric Barrière, Monique Sigaud1, Nicole Jaffrezic-Renault (France)</p>	<p>12h00B7.4."Judd-Ofelt Analysis And Photoluminescence Of New Erbium Doped Antimony Based Glasses" <u>M. T. Soltani</u>(Algeria)</p>

12h40-14h30: Lunch

Closing ceremony and 14h30-18h Excursion: visit of historical monuments of El Jadida city and Azemmour city.



Posters Session A: Wednesday 05, December: 17h50 - 19h00 (ODEP Village)

PA1. Influence Of Heat Treatment On Wear Of Materials Couple Of Steel (Roller -Rail)

A. Elhadi A. Bouchoucha

PA2. Study of cdznte based ii-vi semiconductor lasers for Dermatological application, and simulation of the biological tissue response.

N. Klouch, H. Riane, F. Hamdache, D. Addi

PA3. Application Of Infrared Thermography In The Characterization Of Voids And Honeycomb In Concrete Structure - Numerical Modelling

Naouar Laaidi, Sougrati Belattar

PA4. Mechanical And Thermal Properties Of Polypropylene Reinforced With Nut Shells Of Argan Particles

H. Essabir, H. El Minor, E. Hilali, A. El Gharad, A. Elamraoui

PA5. Fabrication and mechanical properties of calcium Phosphate for bone substitution

S. Laasri, M. Tahaa, E.K. Hlib, A. Hajjaji

PA6. Characterization Of New Europium Complexes To Be Used As Emissive Layers In OLEDs

João Pedro F. Martins, Manuela Ramos Silva, Pablo Martín-Ramos, Jesús Martín-Gil, José António Paixão

PA7. Molecular structure and optical properties of peek fiber using automatic wavi technique

M.A. El-Bakary

PA8. Magnetocaloric Effect And Magnetic Properties In LA0.5SR0.4IXMNO3 Perovskite Manganites

M. Moumene, A. Chemam and A. Cheikhrouhou

PA9. Enhancement Of The Silicon Solar Cells Efficiency By Depositing Gold Nanoparticles

I. Bensefia, N. Ameer, A. Zerga, R. Bachir

PA10. Optimization of antireflection multilayer for industrially Crystalline silicon solar cells

Nordine Sahouane, Abdellatif Zerga.

PA11. Infrared Laser Obtained By GaAs/AlxGa1-xAs superlattices with aperiodic potential profiles

R. Djelti, S. Bentata, Z. Aziz, A. Besbes

PA12. Critical Notch Stress Intensity Factor Concept For Pure Mode II

O. Al Gaoudi, H. El Minor, M. El Hilali, Z. Azari, G. Pluvinage

PA13. Angular distribution of sputtered cuxaly alloys. Simulated study

M. Ait El Fqih, A. Kaddouri

PA14. Thermomechanical Plastic Deformation And Quenching Effects On Precipitation In Pb-17.4 wt.% Sn alloy

Messaoud Fatmi, Z. Boumerzoug, Z.K. Heiba, B. Ghebouli and M.A. Ghebouli

PA15. Two-Dimensional Numerical Simulation Of Iv Characteristics Of A Solar Cell

Ziane Abderrezzaq

PA16. Thermodynamic Assessment Of The Sn-Y System

A. Iddaoudi, N. Selhaoui, R. Karioui, M. Ait Amar, S. Kardellass, and L. Bouirden

PA17. Scaling Exponents In A System Of Self Driven Particles

I. Tarras, M. Mazroui, N. Moussa and Y. Boughaleb

PA18. Magnetic And Electronic Studies Of Granular Cu80Fe5Ni15 Ribbons

Nabila Omari

PA19. The thermal-optical effect associated with the variation of the incidence angle to design a tunable filter in photonic crystals.



F. Tayeboun, K.A. Meradi, H.M. Tayeboun, R. Naoum

PA20. Synthesis And Characterization Of Some Antimony Oxysulphide Glasses

R. Makhloufi, A. Fettah, M.T. Soltani, A. Boutarfaia & M. Poulain

PA21. Scanning Tunneling Microscopy Study Of Fe(CO)₅ and Fe(C₅H₅)₂ Adsorption On Si(111)7×7

Abdelbaki Chemam

PA22. AlGa_N/Ga_N HEMTs: Experiment And Simulation Of DC Characteristics

N. Benseddik, Z. Benamara, H. Mazari, K. Ameer, M. Mostefaoui, R. khelifi, N. Benyahya, A. Soltani.

PA23. Electrical And Electro-Optical Properties Of BaTiO₃/SrTiO₃ Superlattices

H. Chaib, A. Nafidi, H. Charifi, A. Tirbiyine and A. Khalal

PA24. DCM Total Oxidation Over (CuO, MnO₂) / TiO₂ AND CeO₂

R. Maache, R. Brahmi, H. Echchtouk, L. Perrault-Roy, S. Oujala, and M. Bensitel

PA25. Reliability And Availability Optimization Of Industrial Systems Using The Method Of Accelerated Tests: Approach Based On Reliability Block Diagrams

A. Chouairi, M. El Ghorba, A. Benali, A. Hachim, E. Boudlal

PA26. The Magnetic Properties Of An Ideal Super-Paramagnetic Nanoparticles

A. Oubelkacem, I. Essaoudi, A. Ainane, M. Saber

PA27. Raman Study Of Polyiodides Confined Into Single-Walled Carbon Nanotubes

F. Fergani, A. Rahmani

PA28. Investigation Of A Core/Shell Ising Nanosphere, Thermal And Magnetic Properties

S. Bouhou, I. Essaoudi, A. Ainane, F. Dujardin and R. Ahuja

PA29. Current-voltage and capacitance- voltage analysis as a function of temperature In Au/GaN schottky diodes

A. Talbi, M. A. Benamara, B. Akkal, Z. Benamara, B. Gruzza, C. Robert, G. Monier

PA30. Simulation of In_xAl_{1-x}N based p-n solar cells

H. Mazari, M. Mostefaoui, K. Ameer, N. Benseddik, Z. Benamara, R. Khelifi, N. Zougagh

PA31. Structural And Optical Characterization Of ZnO Thin Films Prepared By Photo- Assisted Sol-Gel Method

S. Halimi, S. Haya, B. Boudine, M. Sebais, H. Alliouche, L. Gherbouz

PA32. Numerical Evaluation And Experimental Validation Of Crack Propagation A Bi-Notched Specimen Of Steel S355

A. Hachim, M. El Ghorba, M. Chergui, A. Akef, A. Chouairi

PA33. Study Of Compressibility Of The Jute Fibers For Use In Liquid Composite Molding (Lcm) Process

Hind Abdellaoui, Jamal Echaabi, Mohamed Hattabi

PA34. Etalonnage Curves For Nondestructive Thermal Instruments Control Case Of Materials Containing A Single Inclusion

A. Elhassnaoui and S. Sahnoune

PA35. Scaling behavior and morphological properties of the interfaces obtained by the multilayer deposition process.

I. Achik, A. Hader, Y. Boughaleb

PA36. Modeling And Variable Structure Power Control Of PMSG Based Variable Speed Wind Energy Conversion System

Y. Errami, M. Ouassaid, M. Maaroufi

PA37. Capillary Gas Chromatography Using Liquid Crystal Stationary Phases For The Study Of HPA Separation By Membrane Process

S. Boudah, S. Sebih, M. Dahmane, M. Amara, S. Bensaadi, H. Kerdjoudj

PA38. Application Of Liquid Crystals As Stationary Phases For The Study Of Pesticides Separation In The Water Medium



Using Membrane Process

S. Sebih, S. Boudah, F. Athman, M. Amara, S. Bensaadi, H. Kerdjoudj.

PA39. Study And Comparison Between Two Gold Electrodes Functionalized With Two Calix [8]Arenes For The Detection Of Cadmium In Water

A. Zazoua, C. Dernane, I. Kazane, N. khedimallah, N. Jaffrezic-Renault

PA40. Remediation Of Water Contaminated With Organic Pollutants By Membranes

A. Touabet, A. Halsadji

PA41. Study On Functionalizing The Surface Of Algan/Gan High Electron Mobility Transistor Based Sensors

A. Ould-Abbas, O. Zeggai, M. Madani, M. Bouchaour, , D. Trari, , M. Boukais, N.-E.Chabane-Sari.

PA42.Soduim Triphosphate (STPP) NA5P3O10 As A New Corrosion Inhibitor

Ismail Fahim and Said Belaouad

PA43. Beta[Sr(PO3)2] As Corrosion Inhibitor And Humidity Sensor

A. Kheireddine and S. Belaouad

PA44.High-Efficiency Multi-Junction Solar Cells

A. Slassi, A. Benyoussef and A. El Kenz

PA45. Heated Plate Temperature Measurement Using Electronic Speckle Pattern Interferometry (ESPI)

Salah Darfi, Said Rachafi

PA46. Electronic Structure And Magnetic Properties Of Of Zinc-Blende Co-DOPED GaN WITH N Vacancies

N. Mamouni, M. Belaiche, A. Benyoussef, A. El Kenz, H. Ez-Zahraouy, E. H. Saidi and M.

PA47. Effect of temperature in bands structure, effective mass and correlation with magneto- transport properties in a nanostructure far-infrared detector superlattice

A. Idbaha, A. Nafidi, H. Chaib, K. Khallouq, Mari Soucase, K. Chander Singh.

PA48. Enhancement Of Tc, The Unit Cell Volume And AC Magnetic Shielding In High Tc Superconductors

A. Aboukassim, A. Nafidi, H. Chaib, R. Morghi, A. Idbaha, A. Tirbiyine, A. Taoufik, M. Massa, K. Khallouq, B. Mari Soucase, K. Chander Singh.

PA49. Mechanism Of Adsorption Of Ry4 From Aqueous Solutions Onto PTCa

Hicham El Boujaady, Mohamed Mourabet, Abdelhadi El Rhilassi, Mounia Bennani-Ziatni, Rachid El Hamri, Abderahim Taitai

PA50. Spreading Of Periodic Diseases And Synchronization Phenomena On Networks

M.Ababou, N. Vandewalle, N. Moussa, M. El Bouziani, F. Ludewig

PA51. DFT And Tddft Study Of Nlo Properties Of Substituted Styryl- Bipyridine Metal (Ii) Dichloride Complexes: Effects Of The Metal Center And Substituting Groups On The Linear And Nonlinear Optical Properties

F. Ibersiene, A. Baccouche, D. Hammoutène, H. Le Bozec and A. Boucekkine

PA52. Factorial Design Modeling Of Adsorption Of Chromium (VI) On A Faujasite Y

A. Aid, H. Mekatel, M. Ghrib, S.Amokrane and D.Nibou

PA53. Study Of The Degradation Of A Zeolite Molecular Sieve Used In Gas Dehydration Units

S.Amokrane, Marref Hamza, Zaim Saad and D.Nibou

PA54. An Electromagnetic Bandgap (EBG) Structure And Its Application In Microstrip Antenna Arrays

F. Benikhlef

PA55. Design and experimental investigation of portable solar thermoelectric refrigerator in algeria.

M. Laidi, S. Hanini, B. Abbad, M. Bedja, M. Ouali, Y. Ferhat

PA56.Modal Ssdi-Max Technique Of A Smart Beam Structure: Multi-Sinusoidal Excitation



Aïda Chérif, Claude Richard, Daniel Guyomar, Saad Belkhiat, Mounir Meddad, Adil Eddiai and Abdelowahed Hajjaji

PA57. Optimization Of The Piezoelectric Transformer By The Non-Linear Methods

Aïda Chérif, Claude Richard, Daniel Guyomar, Saad Belkhiat, Mounir Meddad, Adil Eddiai and Abdelowahed Hajjaji

PA58. Properties Of Ecr-Pecvd Hydrogenated Amorphous Silicon Nitride Films For Passivation Purpose

H. Charifi, A. Slaoui, H. Chaib

PA59. The Influence Of Different Parameters On The Structural And Optical Characteristics Of ZnO Thin Films

A. Raidou, F. Benmalek, T. Sall M. Aggour, A. Qachaou, L. Laanab, M. Fahoume

PA60. Study By Impedance Spectroscopy, The Water Contamination By Heavy Metals: Application To Ionic Solutions Lead (Pb) And Cadmium (Cd), Effect Of Concentration And pH.

E. Chahid, R. El Moznine, A. Dani, A. Zradba, A. El Mlouky, A. Amine, L. Idrissi, O. Charkaoui

PA61. Plasma-Wall Interaction In An Oblique Magnetic Field

(Morad Elkaouini)

PA62. Optical Properties Of Pn Junctions Based On Si And The Effect Of Proton Beam And Temperature

Ahmed Akouibaa, Anouar Jorio, Izeddine Zorkani

PA63. Effects Of Barriers In A Vicinal Structure On The Diffusion Process

Y. Lachtioui, M. Mazroui, Y. Boughaleb

PA64. Structural, Morphological And Optical Properties Of In₂S₃ Thin Films Obtained By Silar Method

T. Sall, S. Elfarrass, B. Hartiti, B. Mari, M. Mollar, M. Aggour, A. Qachaou, M. Fahoume

PA65. The Spin -1/2 Ising Model With Nearest And Next Nearest Neighbour Interaction

M. Belaizi, M. Saber, T. Bouziane

PA66. Synthesis And Characterization Of CuInS₂ Thin Films Grown By Spray Pyrolysis

M. Rafi, Y. Arba, B. Hartiti, A. Ridah et P. Thevenin

PA67. The Vortex Dynamics And The Critical Current In Hydrogenated And Deuterated k-(BEDT-TTF)₂Cu[N(CN)₂]Br Organic Superconductor

H. El Ouaddi, A. Tirbiyine, A. Taoufik, A. Nafidi, M. Mamor, H. Chaib, A. Ramzi, H. El Hamidi, A. Hafid

PA68. Synthesis, Crystal Structure And Vibrational Properties Of Bis (4-Benzyl Pyridinium) Pentachlorobismuthate (III)

H. Khili, N. Chaari, M. Fliyou, A. Koumina, S. Chaabouni.

PA69. The magnetic properties of a small particle on hexagonal substrate: Monte carlo and effective field treatments.

Brahim Boughazi

PA70. Special Glass For Silver-Sodium Ion Exchanged Waveguides

Ferhat Rehouma & Kamel eddine Aiadi

PA71. Stochastic Approximation Procedure For Estimating The Energy Of Signals

Abdelkader Maddi

PA72. Surface Critical Effects In Spin-1 Materials With Random Anisotropy By Renormalization Group Theory

A. Gye and M. El Bouziani

PA73. Study Of The Ferromagnetic Resonance In Thin Films Of Permalloy Nanoparticles Diluted In An Insulating Matrix Alumina (Ni₈₁Fe₁₉)_{1-x}(Al₂O₃)_x

M. Dib ; M. Elharfaoui ; A. Qachaou.

PA74. Characterization Of Ceramic Dielectric Pb(Zrx,Ti1-x)O₃

L. Mrharrab, Y. Ababou, E. Ech-Chamikh, S. Sayouri

PA75. Origin Of L/F Noise Peaks Of YBA₂CU₃O_{7-Δ} Thin Films In A Magnetic Field



H. El Hamidia, A. Taoufika, M. Boudhiraa, B. El Mouddena, A. Tirbiyineb.

PA76. Synthesis And Characterization Of Silver Nanoparticles Assisted By Microwave
A. Eddahbi, M. Tabti, M. ider, S. Ouaskit, and M. Moussetad R. Adhiri

PA77. Electrical And Optical Characterizations Of Bgan Ultra Violet Photodetectors
S. Amor, A. Ahaitouf, H. Srour, N. Es-Sbai, A. Ougazzaden, J. P. Salvestrini

PA78. Organically-Capped Quantum Dots, Their Chemistry And Their Biological Applications
M. J. Moloto; S. M. M. Nelwamondo; N. Moloto and RWM Krause

PA79. Thermodynamic Description Of The La-Pt System
S. Kardellass, N. Selhaoui, A. Iddaoudi, L. Bouirden

PA80. Jump Coefficient Diffusion of adatom Near To The Step Edge: Ag/Cu(110)
K. Sbiaai, Y. Boughaleb, A. Kara, A. Hajjaji and B. Sahraoui

PA81. Adatom diffusion in 2D triangular symmetry potential by the strong-collision model
E. El koraychy, M. Mazroui, Y. Boughaleb, and R. Ferrando

PA82. The Nonlinear Effect In Broadband Transmission Link
Amina Benzina, A. Lachebi, H. Abid

PA83. Elaboration and characterization of thin films In₂S₃ by spray pyrolysis for optoelectronic applications
S. Elfarrass, T. Sall, B. Hartiti, M. Fahoume, A. Ridah, P. Thevenin and B. Mari

PA84. A Method For Determination Of Real And Imaginary Parts Of Third-Order NLO Susceptibility In Solid Solutions
Ana - Maria Manea, Alexandrina Tane, Francois Kajzar and Ileana Raua

PA85. The Numerical Study Of The Parabolic And Hyperbolic Effect Of Heat On Isotropic Body In High Frequencies And In A Very Short Time Interval
Hicham Zerradi

PA86. Optical properties of ZnO nanocrystals embedded in PMMA
A. Chaieb, A. Chari, B. Sahraoui

PA87. Study of the energy levels in the structure of the laser diode GaInP/AlGaInP by the method of the pseudopotential
Abdelali laid

PA88. Effect Of Elaboration Temperature On The Structural, Morphological And Optical Properties Of Cu₂ZnSnS₄ (CZTS) Thin Films
Y. Arba, B. Hartiti, A. Ridah, P. Thevenin

PA89. Structural and electro-optical properties of a ferroelectric liquid crystal material stabilized by an anisotropic polymer network
J. Hemine, M. Ismaili, M. Petit and A. Daoudi

PA90. Irradiation Effects On Optical Proprieties Of Gallium Nitride (GaN) According To The Fluence.
M. Hasni, S. Mansouri, I. Monet, M. Sall et P. Ruterana

PA91. Identification of thermophysical parameters by solving inverse problems
A. Ghafiri, J. Chaoufi, E. Arjadal, N. boulfaf, H. Fatmaoui, J-C. Dupré, C. Vallée, K. Atchonouglo et A. Germaneau

PA92. Experimental And Modeling Technique To Maximize Energy Harvesting In Electrostrictive Polymers
Adil Eddiai, Mounir Meddad, Abdelowahed Hajjaji, Daniel Guyomar, Yahia Boughaleb and Khalid Sbiaai

PA93. Ag Adatom And Dimer Motion On Cu(110)(1×2) Missing Row Surface Investigated By Molecular Dynamic Simulations
K. Sbiaai, Y. Boughaleb, A. Kara, A. Eddiai, M. Meddad.

PA94. Study Of Surface Characteristics And Properties Adsorbent Moroccan Clays In Comparison With Reference Materials: Application For The Treatment A Volatile Organic Compounds Of Benzene-Derived Type



Hicham Zaitan

PA95.Third Order of Optical Nonlinearities using Z-scan measurements of Oligophenylene dyads

I.Guezguez, K. Iliopoulos, M. Hjiri, A. Haj Said, H. Belmabrouk, B. Sahraoui

PA96. Phase Transitions In The Vortex Matter Of The YBCO Superconductor

M. Bghour, A. Taoufik, A. Labrag, A. Bouaaddi, B. Lmouden, H.Abdelhalim and H. Elhamidi

PA97.Comparative Study of the effect of the parameters of sizing data on results by the meshless methods (MLPG)

Ahmed Moussaoui and Touria Bouziane

PA98. Effects of the thickness and the Interface on the Magnetic Properties in Fe/Gd multilayers : A Monte Carlo investigation

A. Razouk, M. Sahlaoui, M. Sajieddine

PA99.Numerical Simulation Of Condensation Of A Thin Water Liquid Film In A Vertical Channel

Lahcen Bellouch, M'barek Feddaoui, Touria Madiouni

PA100.Structural, optical and electrical properties of ZnO:Al film thin for optoelectronic applications

Y.Ammaih, A.Lfakir, B.Hartiti, A.Ridah, P.Thevenin, M.Lumbreras and M.Siadat

PA101.Effect of microstructural parameters on the nature of recombinaison in Cd_{1-x}Zn_xTe ternary semiconductor alloys.

Asmae. Arbaoui and F. Miloua

PA102. ZnO nanowires grown on LiNbO₃ sunstrates

A. Bensouici, J. L. Plaza, D. C. Milan, C. Untiedt, M. Bensouici, S. Achour, E. Dieguez

PA103.Dye sensitized solar cells with PVA-KI-EC-PC gel electrolytes

M.F. Aziz, I.S. Noor, B Sahraoui, A.K. Arof

PA104 Investigation of superfast deposition of Metal oxide and Diamond-like carbon thin films by Nanosecond Ytterbium (Yb⁺) Fiber laser

Valery Serbezov, Sotir Sotirov



Posters Session B: Thursday, December 6th, 2012: 17h50 - 19h00 (ODEP Village)

- PB1** Preparation And Characterization Of Cationic Surfactants Intercalated Montmorillonite
El Mehdi Daoudi, Yahia Boughaleb, Layla El Gaini, Irina Meghea, Mina Bakasse
- PB2.** Electro-Optical Properties Of Novel Azobenzene Polymers
O. Krupka, S. Studzinsky, V. Smokal, N. A. Davidenko, A. Kolendo
- PB3.** Stark Effect On A Donor Confined In A Quantum Disk
A. Oukerroum and E. Feddi
- PB4.** On Opening Energy Gaps In Honeycomb-Structured Materials From Inter-Layer Distance Effect
S. Naji, B. Khalil, H. Labrim, M. Bhihi, A. Belhaj, A. Benyoussef, B. Belhorma, M. Lakhali, O. Mounkachi, A. El Kenz
- PB5.** Magnetic And Electronic Properties Of Native Point Defects In ZrO₂
M. Boujnah, H. Labrim, K. Allam, A. Belhaj, A. Benyoussef, El Kenz, B. Belhorma, A. El Bouari
- PB6.** Contribution To The Study Of Materials Nitrides (AlGaN) FOR Biological Applications
O. Zeggai, A. Ould-Abbas, M. Bouchaour, M. Madani, D. Trari, M. Boukais, N.-E. Chabane-Sari.
- PB7.** Synthesis And Phase Transformation Kinetics Of Mullite-Alumina Composites Derived From Algerian Kaolinite And Boehmite
M. Heraiz, F. Sahnoune, H. Belhouchet, N. Saheb
- PB8.** Preparation Of Polymeric Membranes And Their Applications In Dialysis And Electrodialysis For Removing Heavy Metals
Fatima Smail, Mourad Amara et Hacène Kerdjoudj
- PB9.** XPS And Electric Analysis Of The GaAs(100) Nitridation
N. Bachir Bouiadjra, Z. Benamara, L. Bideux, B. Gruzza
- PB10.** Defect-Induced Intrinsic Magnetism In GaN
A. G El Hachimi, A. Benyoussef, L. Hicham and A. El Kenz
- PB11.** Kinetic Monte Carlo And Density Functional Study Of Hydrogen Diffusion In Magnesium Hydride MgH₂
M. Lakhali, M. Bhihi, H. Labrim, A. Benyoussef, S. Naji, A. Belhaj, B. Khalil, M. Abdellaoui, O. Mounkachi, M. Loulidi, A. El Kenz
- PB12.** Doping And Codoping Effects On Photoluminescent And Nonlinear Properties From ZnO Thin Films Prepared By Spray Pyrolysis.
S. Bayoud, M. Addou, K. Bahedi, M. El Jouad, B. Sahraoui,
- PB13.** Electronic Structure And Magnetic Properties Of Doped GaAs (zinc blende) With Double Impurities And Defect
H. Zaari, M. Boujnah, H. Labrim, B. Khalil, A. Benyoussef and A. El Kenz
- PB14.** TiO₂ Doped With Double Impurities: AKAI KKR Study
Z. Zarhri, A. Benyoussef and A. El Kenz
- PB15.** The Transformation Of The Synchronous Machine Polyphase (N Phases) To A Whole Of Mechanically Coupled And Magnetically Uncoupled Fictitious Mono And Diphasic Machines
Sellam A, Dehiba. B, Benabdallah M. B, Abid. M, Bensaid. B
- PB16.** Porous Silicon Applications For Photovoltaic Solar Cell
M. Boukais, A. Ould-Abbas, N. Chabane-Sari
- PB17.** CdS Films Deposited By Chemical Bath Deposition For Solar Cells Application
Benghabrit Siham, Denis Chaumont, Saad Hamzaoui and Adnane Mohamed
- PB18.** Synthesis, Growth And Optical Properties Of Semi Organic Nonlinear Optical Single Crystal
K. Bouchouit, B. Kouissa and B. Sahraoui
- PB19.** Optical Constants Of CuInS₂ Thin Films
W. Rezaiki, F. Chaffar Akkari, M. Kanzari, A. Amara
- PB20.** Growth Of ZnSe Nanocrystals In Polystyrene Matrix
B. Boudine, F. Boudjada, H. Alliouche, O. Halimi and M. Sebais
- PB21.** Study Of Structural, Electronic And Magnetic Properties Of The Cubic Perovskite BaHfO₃



C. Azahaf, Ez-Zahraouy

PB22. Percolation Transition In A High Mobility Two Dimensional Electron System

L. Limouny, A. El kaaouachi, A. Narjis, A. Sybous, S. Dlimi, M. Errai, and G. Biskupski

PB23. First-Principles Study Of Electronic Structure And Magnetic Properties Of Doped SnO₂ (rutile) With Single And Double Impurities

A. Fakhim Lamrani, M. Belaiche, A. Benyoussef, A. El Kenz and E. H. Saidi

PB24. Study Of The Output Power And Temperature Distribution Of Fiber Lasers With Different Pump Schemes

M. Abouricha, A. Boulezhar, M. El Mouden

PB25. Hydrothermal synthesis of layered double hydroxide-carbonate intercalation compounds. Application for carbonyl reduction

H. Zazoua, A. Saadi, K. Bachari, D. Halliche and C. Rabia

PB26. Growth Of Dendritic Zinc Oxide Nanostructures For Sensing Application By Electrodeposition Technique

A. Telia, T. Mouet, T. Devers

PB27. Hydrophilic Membrane Preparation For Phenols And Derivatives Removal And Control By Chromatographics Technics

M. Amara, S. Bensaadi, H. Kerdjoudj, S. Sebih, S. Boudah

PB28. Modelling And Electrical Simulation Of Nitrided Heterostructures On Substrate III-V

S. Benykrelef, A. Joti, Z. Benamara

PB29. Prediction Of The Photovoltaic Parameters Using The Simulation Of Electronic Transport In ZnO/CdS/CIS Solar Cell Type

A. Joti, B. Zebentout, S. Benykrelef, Z. Benamara, K. Ameur

PB30. Multiferroic Behavior IN EuMn₂O₅: First Principles Calculation Within The Density-Functional Theory

F. El hallani, S. Naji, H. Ez-Zahraouy, A. Benyoussef

PB31. Experimental and Ab-initio Studies of Structural and Electronic Properties of Cd_{0.94} Zn_{0.06}Te Alloy Prepared by RF- Sputtering Deposition.

F. Miloua, A. Arbaoui, F. Litimein, M. Loghmarti, N. Hassanain and A. Kadoun

PB32. Guided Modes In Left-Handed Waveguides And Nonlinear Dispersion Equation With Kerr-Like Nonlinearity

Bouchra Mokhtari, N. Cherkaoui Eddeqai, J. Atangana

PB33. Correlation between Enhanced T_c, AC magnetic irreversibility line and heat treatment in high T_c Superconductors

R. Morghi, A. Nafidi, A. Aboulkassim, A. Idbaha, H. Chaib, A. Tirbiyine, A. Taoufik, K. Khallouq, M. Massa, B. Mari Soucase, K. Chander Singh.

PB34. NMR coil sensibility improvement with a clever combination of an optimized matching network and of an in situ LNA.

J. Trejo Rosillo, Y. Zaim Wadghiri, L. Fakri-Bouchet

PB35. Synthesis And Optical Properties Of Inorganic / Organic Nanocomposites

S. Haya, O. Halimi, M. Sebais, B. Boudine, A. Chelouche.

PB36. Removal Of Methylene Blue From Aqueous Solution By Natural Phosphate

K. Rida; B. Chemal; A. Boukhemkhem

PB37. Wet processes for the preparation of CIGS and CZTS thin films

A. Ihlal, K. Bouabid, L. Alahyane, A. Elfanaoui, H. Kirou, L. Boulkaddat, M. Nya, L. Bechir, and X. Portier

PB38. Numerical Modelling Of Selective Emitter Crystalline Solar Cells

A. Zerga, N. Benadla

PB39. Surface Plasmon Properties On The Typical Metals Ag And Au Described Using FDTD Numerical Computer Codes

Mahi Nabil

PB40. Study Of The Influence Of N₂ Deposition Duration On The Nitridated InP(100) Surface

M. A. Benamara, A. Talbi, Z. Benamara, B. Akkal, B. Gruzza, C. Goumet, A. Baba Ahmed

PB41. Photoconductive Of Oriented Al And Sb CO-DOPED ZnO Thin Films

H. Benelmadjat, S. Halimi, F. Boudjada, Z. Ouili, B. Boudine, M. Sebais

PB42. An Improved Spice Model For Low-Voltage Power Mosfet Devices

A. Galadi, M.M. Hassani

PB43. Traffic Flow Behaviour And Correlation Velocity

N. Lakouari, K.Jetto, Ez-Zahraouy, A.Benyoussef

PB44. Effects Of The Random Magnetic Field On The Hysteresis Behavior Of Spin-1 Ising Nanotube

H. Magoussi, A. Zaim and M. Kerouad

PB45. Percolation-Type Metal Insulator Transition In 2D GaAs Hole System

S. Dlimi, A. El kaaouachi, A. Narjis, L. Limouny, A. Sybous and M. Raii

PB46. Coulomb Blockade And Magnetoresistance In Granular LA1.32SR1.68MN2O7 Under Hydrostatic Pressure

A. Narjis, A. El kaaouachi, L. Limouny, S. Dlimi, M. Errai, A. Sybous

PB47. A Cellular Automata Traffic Flow Modeling Of Desired Speed Variability

K. Bentaleb, K. Jetto, H. Ez-Zahraouy

PB48. A Procedure To Reduce The Low Frequency Noise Effect At Strong Inversion In Nanoscale N-Channel Mosfet

N. Maouhoub and K. Rais

PB49. TiO₂ Thin Film Doped Ag Prepared By Sol Gel Method

A. El Fanaoui, A. Taleb, L. Boulkaddat, E. Elhamri, A. Ihlal, M. Meddah, K. Bouabid, L. Alahyane, E. Ihalane, X. Portier

PB50. Study And Simulation current-voltage characteristic of HEMT GaN- based

N. Mordi, M. Chellali, Z. Benamara

PB51. Comparative Study Of Electrical Parameters Of Au/GaN And Hg/GaN Schottky Diodes

R. Khelifi, H. Mazari, S. Mansouri, K. Ameer, Z. Benamara, M. Mostefaoui, N. Benseddik, N. Benyahya, P. Ruterana, I. Monnet, J. M. Bluet

PB52. AMPS-1D investigations of interface properties on heterojunction silicon solar cells

A. Bensmain, H. Tayoub, B. Zebentou and Z. Benamara

PB53. Study Of The Characteristics Current–Voltage And Capacity–Voltage Of Gate Contact In ALGaN/GaN Heterostructures With Different Aluminium (Al) Composition

M. Mostefaoui, H. Mazari, S. Mansouri, Z. Benamara, R. Khelifi, N. Benseddik, K. Ameer, N. Benyahya, J.M. Bluet, W. Chikhaoui

PB54. Comparative Study Of Characteristic I_g (VGS) Structures HEMTs AlInN / GaN AND AlGaIn / GaN

N. Benyahya, H. Mazari, N. Benseddik, M. Mostefaoui, Z. Benamara, K. Ameer, R. Khelifi, J. M. Bluet, W. Chikhaoui

PB55. Numerical Simulation Of $\mu\text{-Si:H}$ For Study A Quasi-Static Capacitance For TFT's Applications

H. Tayoub, A. Bensmain, B. Zebentout, A. Chaib and Z. Benamara

PB56. Pyroelectric And Dielectric Properties Of Temperature-Graded Ferroelectric Structure With A Transverse Ising Model

Y. Benhouria, I. Essaoudi, A. Ainane, F. Dujardin, R. Ahuja and M. Saber

PB57. Effect Of Self-Polarization On Electron And Hole Energies In Core/Shell Nanostructures

Asmaa Ibral, Safae Aazou, El Mahdi Assaid, El Mustapha Feddi, Francis Dujardin, and M'Hamed El Aydi

PB58. Hysteresis Behavior Of Compositionally Graded Ba_xSr_{1-x}TiO₃ Thin Film

Y. Benhouria, I. Essaoudi, A. Ainane, F. Dujardin, R. Ahuja and M. Saber

PB59. Infrared Spectrum Of Single-Walled Boron Carbide BC₃

A. El Biyaali, M. Bentaleb, B. Fakrach, H. Chadli, and A. Rahmani

PB60. The Structure And Optical Properties Of The Nanocrystalline ZnO Films Prepared By Successive Ionic Layer Adsorption And Reaction.

E. EL Hamri, A. Elfanaoui, A. Ihlal, K. Bouabid, L. Boulkadat, M. Meddah and E. Ihalanne, L. Alahyane

PB61. Crystalline Stability And Thermal Behavior Of Some New Layered Compounds

N. Belmohtar, R. Nedjar

PB62. Electronic and Magnetic properties of Extended Hubbard Model for Finite Square Lattice

A. Zouhir, S. Harir, M. Bennai, Y. Boughaleb



PB63. Effect Of Antimony On Structure Strained Quantum Well

Abdeekader Aissat, Said Nacer and Jean Pierre Vilcot

PB64. Lowest Of Ac-Dc Power Output For Electrostrictive Polymers Energy Harvesting Systems

Mounir Meddad, Adil Eddiai, Abdelowahed Hajjaji, Daniel Guyomar, Yahia Boughaleb, Saad Belkhiat and Aida Chérif

PB65. Singularly Extended States In Dimer Quasiperiodic Al_xGa_{1-x}As/GaAs Superlattices

Z. Aziz, Y. Sefir, R. Djelti and S. Bentata

PB66. Electrical And Optical Characterizations Of BGaN Ultra Violet Photodetectors

S. Amor, A. Ahaitouf, H. Srour, N. Es-Sbai, Ougazzaden, J. P. Salvestrini

PB67. Application Of Extended Irreversible Thermodynamics To Determine The Parallel Transport Coefficients In Plasma

R. Moulitif, A. Dezairi, J. Louafi, S. Lahouaichri, H. Zerradi

PB68. PB68 Analysis and modelling of conduction processes in anionic clays by using impedance spectroscopy

A. Elmelouky; R. Lahkale; R. El Moznine; E. Essabar; E. Chahid; A. Zradba; M. Khaidar; and F. Henry

PB69. Generation Of Superposition Of Kummer Beams From Li's Flattened Gaussian Beams

L. Ez-zariy, F. Khannous, H. Nebdi, M. Khouilid, A. Belafhal

PB70. Theoretical Generation Of Superposition Of Kummer Beams By A Spiral Phase Plate

F. Khannous, L. Ez-zariy, H. Nebdi, M. Khouilid, A. Belafhal

PB71. Modeling And Simulation Of Three-Dimensional Transport In Dusty Plasma

J. Louafi, A. Dezairi, S. Lahouaichri, D. Saifaoui, R. Moulitif

PB72. Temperature Dependant Bundle Size In YBCO Thin Film

A. Hafid; A. Taoufik, A. Bouaaddi, A. Tirbiyine, M. Bghour, B. Elmouden, M. Boudhira, H. El Hamidi, H. Elouadi, A. Nafidi, H. Chaib, E.H. Boudjema, M. Mahtali.

PB73. Magnetic Properties And Electronic Structure Of Ni₈₁Fe₁₉/W₉₀Ti₁₀ Multilayer Films

Z. Yamkane, N. Omari, H. Lassri, M. Lassri, M. Abid, E.K. Hlil

PB74. Development of biosensor for detection of Legionella pneumophila using Electrochemical Impedance Spectroscopy

M. Souiri, L. Mhamdi, N. Blal, R. Mzoughi, S. Riffard, A. Othmane.

PB75. Monte Carlo Modeling On The Magnetic/No-Magnetic Multilayers: Investigate The Hysteresis Properties

A. Razouk, M. Sajjeddine, M. Sahlaoui

PB76. The Window Layers Effect On The Hardness Improvement Of Space Solar Cells Exposed To The 1 MeV Electron Irradiations

Y. Mir, A. Amine, K. Zazi and M. Zazoui

PB77. Transport Phenomenon In Multiwall Carbon Nanotube-Conduction of polymer nanocomposites

El Fatmi Daoudi, Abdelhamid El kaaouachi, Sahsah Hassan, Abdelfattah Narjis, Abdelghani Sybous, Lhoussine Limouny Said Dlimi, Mohamed Errai, G. Biskupski

PB78. Defects Associated To The Vickers Microhardness Method

F. Lmai, N. Brihi, Z. Takkouk, K. Guergouri, M. Hage-Ali

PB79. A Study Of Interlayer Coupling Of Fe/Ti Multilayers

M. Lassri, H. Ouahmane, H. Lassri

PB80. Magnetic And Thermodynamic Studies Of NH₄Mn_{0.5}Co_{0.5}PO₄·2H₂O

M. Touaiher, K. Benkhouja, M. Bettach, M. Taibi, A. Arbaoui, J. Aride

PB81. Microstructural And Photocatalytic Properties Of In-Situ Crystallized TiO₂ Prepared By Magnetron Sputtering

I. Sayah, M. Arab Pour Yazdi, A. Aouni and A. Billard

PB82. Dynamics Of Cu Monomers, Dimers And Trimers On Ag (110) (2×1) Missing Row Surface Investigated By Molecular Dynamic Simulations.

K. Sbiaai, Y. Boughaleb, A. Kara, M. Mazroui, A. Arbooui, A. Hajjaji

PB83. Phase Diagrams Of Spin-3/2 Materials With Random Crystal Field By Renormalization Group Theory

M. Bouziani and A. Gaye



PB84. Phase Transitions In Fiber Bundle Model

A. Lahyani, Y. Boughaleb, M. Qjani

PB85. Identification Of Mechanical Parameters: Introduction To Inverse Problem

E. Arjdal, J. Chaoufi, A. Ghafiri, H. Fatmaoui, C.Vallee

PB86. ab Initio Study Of Electronic And Optical Properties Of Zinc-Blende In_{0.75}Ga_{0.25}(NxAs_{1-x}) Quaternary Alloys

Ziane Mohamed Issam, Bensaad Zouaoui, Labdelli Boutaleb

PB87. Structural, Raman Properties and Dielectric Characterization of Sol-Gel Fabricated PbTiO₃ Ceramics Doped With Cerium Ions

M. Maanan, Y.Guaaybess, M.Moussetad, R.Adhiri, S.Sayouri, A.Elmesbahi, L.Zerhouni

PB88.Track-etched functionalized nanoporous β -PVDF membrane electrodes for Heavy Metal Detection by ASV

H. Bessbousse, M. Barsbay, O. Güven, M.-C. Clochard and T. L. Wade

PB89. Optical nonlinearities of large size A₆M₂M₈O₃₀ ferroelectric nanocrystallites

M. Derbazi, A. Migalska-Zalas I.V. Kityk, J. Ebothé and B. Sahraoui

PB90. Effect of elaboration temperature on the structural, morphological and optical properties of Cu₂ZnSnS₄ (CZTS) thin films

Y. Arba, M.Rafi, H.Tchognia, B. Hartiti, A. Ridah, P.Thevenin

PB91. Design, Development And Simulation Of Concentrator Cylindro-Parabolic (CCP)

A. El Kebch, A. Ait Taleb, A. Karbal,M. El Mouden, D. Saifaoui

PB92. Analysis of micro power genrator autonomous PZT with use of sliding mode control

M. Meddad, A. Eddiai, Belkhait, A. Chérif, A. Hajjaji, S.Benahadouga, K. Sbiaai and S. Touhtouh

PB93. Structural Hardening Mechanisms Of Lead-Cadmium-Strontium-Tin Alloys For Battery's Grids

Y. Ait Yassine, E. Zantalla, A. Aguizi, R. Kidari, J. Iche, M. Ait Amar, E. Saad, A. Iddaoudi, N. Selhaoui, L. Bouirden

PB94.Numerical simulation study of the charge density wave dynamic properties in the one-dimensional systems.

A. Arbaoui, R. Assad, M. Qjani, N. Habib allah, K. Sbiaai, A. Hajjaji, K. Benkhouja, Y. Boughaleb

PB95.African Network For Solar Energy (ANSOLE).

Alidor Kazadi Mutambayi

PB96.Behavior Of Transformer Mineral Oil Mixtures Submitted To Isothermal Charging Currents

T. Toudja, H. Moulaï, A. Nacer, A. Beldjillali, N. Saidi and M. Saidi

PB97. A method for improving the performance of implantable RF microcoil designed for MRI and MRS of murine brain at 4.7T

Tien Truong Cong, Josué Trejo Rosillo, Hung Dang Phuc, Huy Hoang Pham, Patrick Poulichet, Abdennasser Fakri, and Latifa Fakri-Bouchet

PB98. Validation of Chaviaro Poulos and Hansen stall delay model in the case of horizontal axis wind turbine operating in yaw conditions

A. Bouatem and A. Al Mers

PB99. Numerical modeling of solar cells based on III-V compounds nitride

K. Ameer. Z. Benamara, H. Mazari, N. Benseddik, R. Khelifi, M. Mostefaoui

PB100. Magnetic studies in evaporated Iron/ Rare-Earth multilayers

M. Sajieddine, A. Razouk, M. Sahlaoui and H. Lassri

PB101. Numerical Study During Evaporation Of A Turbulent Binary Liquid Film

L. Khalal,M. Feddaoui, T. Mediouni, Y. El hammami

PB102. DNA based membranes for electro-optic applications:

Mihaela Mandroiou, Irina Meghea, Agneska Pawlicka, Francois Kajzar, Ileana Rau

PB103. Chitosan gel beads to remove chloride from contaminated water

E. Lemrabet, K. Benkhouja, K. Jaafari, S. Touhtouh, et S. Tahiri, A. Arbaoui



PB104.Influence of Ca²⁺ doped on structural and optical properties of RPO₄ (R= Ce³⁺, Nd³⁺ and Pr³⁺) compounds.

E.M.Lemdek, K.Benkhouja, S.Touhtouh, B. Sahraoui, A.Arbaoui, A. Bakasse, A.Hajjaji, Y.Boughaleb and R. Sáez Puche

PB105. Influence of preparation methods on the structural, morphology and magnetic properties of ZnFe₂O₄ ferrites.

E.M.Lemdek, K.Benkhouja, K.Jaafari, M.Bettach, A.Arbaoui, S.Touhtouh, A.Hajjaji, and R. Sáez Puche

PB106.Study Of Insulating Electrical Conductivity In Amorphous Silicon-Nickel Alloys a-NixSi_{1-x} at very low temperature

M. Errai, A. El kaouachi, A. Narjis, J. Hemine, S. Dlimi, A. Sybous, L. Limouny, and G. Biskupski

PB107.Study of natural ventilation in a greenhouse.

M.El Jazoul, K. Lekouch and L.Bouirden

PB108.Optimization of energy consumption and improvement the functioning of a drying unit.

A. Arif, C. Benqlilou, A. Rachek and A. Hajjaji

PB109. Investigation of superfast deposition of Metal oxide and Diamond-like carbon thin films by Nanosecond Ytterbium (Yb⁺) Fiber laser

Valery Serbezov and Sotir Sotirov

PB110.Phase diagram and A. C. Impedance analysis of Pb_{1-x}K_{2x}Nb₂O₆ Ferroelectric ceramics

A. Belboukhari, E. Choukri, Y. Gagou, R. Elmoznine, D. Mezzane, I. Luk'yanchuk

PB111.New Technique of Extraction of Solar Cell Physical Parameters Model with Constant Double Exponential (CDEM)

S. Yadir, S. Assal, M. Benhmida

PB112.Effect of MgO addition on the mechanical and thermal properties of mullite

A. Ouali, M. Heraiz, H. Belhouchet, F. Sahnoune and N. Saheb