International Meeting on Materials for Electronic Applications IMMEA, Marrakech, April 29 – May, 2 2007

PROGRAM

Sunday, April 29, *17:00-21:00*- **Registration, welcome tea (Faculté des Sciences et Techniques Gueliz Marrakech)**

Monday, April 30				**Tuesday, May 1**			**Wednesday, May 2**		
(8:30-9:30)- **Opening** **Plenary A-1** *9:30-10:00 -* *10:00-10:30 -*	*Room A(Amphi I)*			**Plenary A-2** *Room A(Amphi I)*			**Plenary A-3** *Room A(Amphi I)*		
10:30 –10:50	Coffee Break			Coffee Break			Coffee Break		
10:50-11:10 - *11:10-11:30 -* *11:30-11:50 -* *11:50-12:10 -*	**1C-1** *Room A* *(Amphi I)*	**2C-1** *Room B* *(Amphi II)*	**3C-1** *Room C* *(Salle 22)*	**1C-2** *Room A*	**2C-3** *Room B*	**4C-2** *Room C*	**4C-4** *Room A*	**2C-4** *Room B*	**3C-4** *Room C*
12:10 – 14:30	**Lunch**			**Lunch**			**Lunch**		
14:30-14:50 - *14:50-15:10 -* *15:10-15:30 -* *15:30-15:50 -*	**4C-1** *Room A*	**2C-2** *Room B*	**3C-2** *Room C*	**1C-3** *Room A*	**4C-3** *Room B*	**3C-3** *Room C*	**1C-4** *Room A*	**4C-5** *Room B*	**3C-5** *Room C*
15:50 –16:10	Coffee Break			Coffee Break			Coffee Break		
16:10-16:30 - *16:30-16:50 -* *16:50-17:10 -*	**Plenary B-1** *Room A*			**Plenary B-2** *Room A*			**Plenary B-3** *Room A*		
17:10- …	**Poster Presentation D-1** 2-3 min. for presentation			**Poster Presentation D-2** 2-3 min. for presentation		**Round Table**	**Poster Presentation D-3** 2-3 min. for presentation		
… - 19:15	**Posters** *(Dielectrics, magnetics…)*			**Posters** (*Semiconductors, nanomaterials…)* *19:00* Gala Dinner			**Posters** *(Multifunctional materials)* *18:45-19:00* - **Closing**		

Sessions:

1C-x Dielectric materials, magnetic Materials
2C-x Semiconductors, Sensors
3C-x Nano materials
4C-x Materials Telecommunication, Energy and Natural materials

Monday, April 30

Plenary A-1, *Room A*, Chair: A. Bratkovski

8:30 -9:30 **- Opening**

9:30-10:00 *J. F. SCOTT Analyzing Dielectric Materials for Electronic Applications*

10:00-10:30 *I. SAADOUNE Positive Electrode Materials For High Energy*

10:30 –10:50 Coffee Break

	1C-1 *Room **A***, Chair: M. *Elmarsi*	**2C-1** *Room **B***, Chair: A. Kadri	**3C-1** *Room **C***, Chair: A. El hidy
10:50-11:10	Bormanis K. *Low-frequency dielectric response of disordered perovskite ceramics*	L. Essaleh *MAGNETOTRANSPORT IN DOPED SEMICONDUCTORS APPLICATION TO COPPER TERNARIES*	Bouzabata B, *Stuctural and magnetic behaviour of nanostructured fex(x=ni,si,al) alloys*
11:10-11:30	LIMAM K.. *Properties of sol gel processed Pb1-xLaxTiO3 samples*	N Fazouan, *A Monte Carlo growth and characterization of heteroepitaxial thin films*	Raevskaya S, *Dielectric studies of NaNbO3 –based lead-free relaxor ceramics and lead-containing relaxors*
11:30-11:50	Mercone S. *Low Frequency Noise In La2/3sr1/3mno3 Devices*	Ramdane M, *Properties of multi-layer semiconductor thin films*	Bouklouch M, *Modelisation Des Proprietes Electriques d'un Milieu Granulaire Sous Une Tension*
11:50-12:10	Echatoui N.-S. *Etude numerique du nonstante dielectrique dans les céramiques PLZT et BZT*	Rouabah Z, *Electron mobility in silicon for the energy range 0.5-4 kev*	*Habouti S. Sol-Gel-Derived Multiferroic BiFeO3 Thin Films. an Overview on Microstructure and Properties*

12:10 –14:30 **Lunch**

	4C-1 *Room **A***, Chair: Miane J.L.	**2C-2** *Room **B***, Chair: I. Raveaski	**3C-2** *Room **C***, Chair: M. Al aatmani
14:30-14:50	Kaddami H., *Valorisation du palmier dattier dans le domaine des matériaux nanocomposites*	A El Mahdi, *Exact analytical solutions of graëtz bridge*	Kalboussi A, *Noise analysis and dlts investigations in si-nanocrystal-based mos structures*
14:50-15:10	Charef T, *Evolution Structurale en Fonction de T d'un Composé Inorganique Optiquement non Lineaire*	B Benichou, *3d Modelling Of Relaxation Semiconductor Structure. GaAs P-N Deep Trap Centres.*	El Marssi M, *Stress, orientation and phase transitions in the ferroelectric superlattices*
15:10-15:30	M Bour, *Analysis of coaxial/cylindrical cell for the characterization of magnetic anisotropic materials.*	K Amechnoue, *The simulation of the* transport phenomena in semiconductors	Nour E Hakiki, *Structural and semiconducting properties of thin passive films formed on stainless steels*
15:30-15:50	Quispe S, *Pulsed photoacoustic for the study of linbo3:Nd3+,Mg2+ single crystal*	*Ramdan M. Study of the SiNx materials properties heavily implanted boron*	A Gorshkov, *Crystallization of thin-film amorphous nanocomposites COx(PZT)1-x*

15:50 –16:10 Coffee Break

Plenary B-1, *Room A*, Chair: J. F. Scott

16:10-16:30 *A. ROUGIER Electrochromic Materials Active In The Ir Region*

16:30-16:50 El Haskouri J.l *Nouvelles nanoparticules uniformes dans le monde de la nanotechnologie*

16:50-17:10 Morrison F. D. *Modelling of ferroelectric random-access memory PZT capacitors*

17:10- … **Poster Presentation D-1** (2-3 min. for presentation), *Room A* Chair: J. L. Dellis

Presentations: 1D027, 1D030, 1D032, 1D033, 1D034, 1D035, 1D037, 1D038, 1D039, 1D040, 1D041

…- 19:15 **Posters** *(Ferroelectrics, Ferromagnetics…)* 1Dxxx, 1Pxxx,

Tuesday, May 1

Plenary A-2, *Room A*, Chair: B. Elouadi

9:00-9:30 *J.-L. MIANE New Structures And Materials In Telecommunications*

9:30-10:00 *A. BRATKOVSKI Spintronics And Plasmonics For Nanoelectronics In 21st Century*

10:00-10:30 *M. ELLOUZE Study Of The Crystallographic And Magnetic Properties Of Lacunar Perovskites Containing Praseodymium*

10:30 –10:50 Coffee Break

	1C-2 *Room **A***, Chair: S. Sayouri	**2C-3** *Room **B***, Chair: I. Stevenson	**4C-2** *Room **C***, Chair: M. Ellouze
10:50-11:10	*Achour S. Modélisation et prédiction de comportement diélectrique de matériaux*	C Boulanger, *Influence of electroplating conditions on semiconductor and thermoelectric BiTe films*	Benslama M, *Shear horizontal bulk waves of langasite-type for oscillators in space communications devices*
11:10-11:30	*Baudry L., Polarization switching kinetic in ferroelectric films*	K. *Akmoum CINETIQUE D'AMORPHISATION DU GaAs PAR IMPLATATION IONIQUE DE XENON*	Amara A., *Electrical and optical characterization of cuins2 crystals and poloycrystalline coevaporated thin films*
11:30-11:50	El Amraoui Y., *An amorphous Ising thin film: Monte Carlo simulations.*	S Berrah, *Optical properties of ingan*	L El Maimouni, *Acoustical guided waves in inhomogeneous cylindrical materials*
11:50-12:10	E.-S. El-Frikhe, *Theoretical studies on the ferroelectric properties of ferroelectric thin films*	*A. BENACHENHOU DETERMINATION OF THERMOLUMINESCENCE KINETICS PARAMETERS OF ALUMINE (α-AL2O3) BY THE LEAST SQUARES METHOD*	M Azrour,*Etude structurale et de proprietes physiques des apatites lacunaires a base du vanadium*

12:10 –14:30 **Lunch**

	1C-3 *Room **A***, Chair: L. Bih	**4C-3** *Room **B***, Chair: A. Rougier	**3C-3** *Room **C***, Chair: Y. El Amraoui
14:30-14:50	A. Toumanari *Microscopic coupling effects in ferroelectrics superlattice*	Couraudon V, *Characterization of organic solar cells materials and structures …*	B Inas, *Structure, dielectric and ESR studies of nano-composite Fe2O3:BaTiO3*
14:50-15:10	Catalan G. *Domain periodicity in nanoferroelectrics*	*H. Chaib, Dielectric Polarization and Refractive Indices of Ultrathin BaTiO3 Films on SrTiO3 Single Crystals.*	B Bouguerra, *Structural and magnetic studies of nanocrystalline fex (x=si,al,ni) alloys*
15:10-15:30	Raevski I. *Magnetic and ferroelectric transitions in BiFeO3-NaBOo3 ceramics*	A Feddag, *Flexibilité De La Coordination De l'aluminium Dans Les Silicates.*	Kaynts D, *Formation of ferroelectric nanostructures in (as2s3)100-x(sbsi)x glassy matrix*
15:30-15:50	Zubko P. *Flexoelectricity in strontium titanate single crystals*	Ahmadouche A, *Capteur Électrooptique de Champ Électrique À Base de Polymères*	Khachane M, *Ba2nanb5o15 films prepared by rf magnetron sputtering and their caracthérisation*

15:50 –16:10 Coffee Break

Plenary B-2, *Room A*, Chair: M. Fontana

16:10-16:30 Kavokin A. *Polariton lasers.*

16:30-16:50 Elouadi B. *Cationic disorder and its effect on niobates with TTB structure*

16:50-17:10 K. Abderrahmane, *Laser gain optimization in zno/mgzno quantum well nanostructures*

17:10- … **Poster Presentation D-2** (2-3 min. for presentation), *Room A* Chair: L. Essaleh

Presentations: 2D089, 2D090, 2D091, 2D092, 2D093, 2D094, 2D095, 2D096, 3D163, 3D164, 3D165, 3D166, 3D167, 3D168, 3D169

Round Table: "Collaboration"

…- 19:15 **Posters** *(Semiconductors, nanomaterials…)* 2Dxxx, 3Dxxx, 2Pxxx, 3Pxxx,

19:00 Gala Dinner

Wednesday, May 2

Plenary A-3, *Room A*, Chair: A. Kavokin

9:00-9:30 G. BOITEUX, I. STEVENSON, G. SEYTRE *Relation Between Architecture / Organisation Of Macromolecular Chains and Dielectric Properties*

9:30-10:00 A. KADRI *Advanced Nanostructured Semiconductor HeterostructuresfFor Nanotechnologies*

10:00-10:30 E. RUIZ-HITZKY *Polymer-Clay Nanocomposites: Advanced Materials For Electrochemical and Electroanalitycal Applications*

10:30 –10:50 **Coffee Break**

	4C-4 *Room **A***, Chair: L. Baudry	**2C-4** *Room **B***, Chair: A. Chahboun	**3C-4** *Room **C***, Chair: J. I. El Haskouri
10:50-11:10	El Hasri S, *Organisation du Polystyrène amorphe induit par diffusion du solvant*	Alga Maati, *Quelques reflexions sur les proprietes electriques des bimevox*	A El Mahdi, *Exact analytical solutions for shallow impurity states in symmetrical quantum dots*
11:10-11:30	Lethiecq M, *Piezoelectric materials and high frequency ultrasonic devices*	A Belgacem-Bouzida, *L'etude Thermodynamique des (Ga-M) (M=Nb, Mo, Cr) : technologie Semi-Conducteurs*	Benotsmane A, *Théorie Moléculaire De Génération Fréquence Somme Doublement Résonnante (Dr-Sfg):*
11:30-11:50	Al-Shakerji, *Ultra-fine powder of BaTiO3 using freeze-drying process*	O Meglali, *Neutron irradiation effects on the electrical and optical properties of fz silicon*	S Madani, *Numerical simulation of the stress field of an gaas/gaas anisotropic twist boudary*
11:50-12:10	El J Belgacem, *Effect of thermal annealing on properties of thin GaAs(1-x)Bi(x) (x=0.037) alloy*	M. BenYoussef *Effet des impuretés sur les méchanismes de recristallisation dans le cuivre*	T Outtas, *Free surface nanopaterning with burried hexagonal dislocations array: Simulation*

12:10 –14:30 **Lunch**

	1C-4 *Room **A***, Chair: F.D. Morison	***4C-5*** *Room **B***, Chair: K. Akmoum	***3C-5*** *Room **C***, Chair: H. Khemakhem
14:30-14:50	Y. Gagou *PKN, TTB ferroelectric thin films*	C L Cadillon *Polymer composites for preventing microwave leakage in heating ovens*	F Z El Berrichi, *Synthèse Du Matériau Composite SBA-15 Supporté Sur Du Carbure De Si : ß(?-Sic)*
14:50-15:10	Raihane M *Molecular dynamics of a fluorinated cyano copolymer*	K Kassmi *Modélisation des propriétés de conduction des diodes schottky en polymère*	*K. Zitouni Optical Gain & Laser threshold engineering in InGaAsSb/AlGaAsSb Mid-Infrared Quantum Well Laser Nanostructures*
15:10-15:30	A Koumina, *Properties of the transition metal pnictides MM'X (x = P, As)*	Latifa S, *Caracterisation …de Gisements d'argiles de la Region De Marrakech*	Rhouta B, *Electrical and electrokinetic studies of al-pillared moroccan clay*
15:30-15:50		M Chouiti, *Conductivité électrique dans les verres de chalcogènes à travers les effets polaroniques*	Ghania O. *The use of the NDT by micro magnetic methods in determination of structure*

15:50 –16:10 **Coffee Break**

Plenary B-3, *Room A*, Chair: E. Ruiz-Hitzky

16:10-16:30 Fontana M. *Doped lLiNb03 as a versatile material for optical applications*

16:30-16:50 Chahboun A. *Photoluminescence from InAs/GaAs self-assembled quantum dots*

16:50-17:10 El H. Abdelillah, *Charge storage and coulomb blockade in germanium nanocrystals*

17:30- … **Poster Presentation D-3** (2-3 min. for presentation), *Room A* Chair: Y. Gagou

Presentations: 4D205, 4D206, 4D207, 4D208, 5D215, 5D216, 6D239, 6D240, 6D241, 6D242, 6D243

…- 19:15 **Posters** *(Multifunctional materials)* 4Dxxx, 5Dxxx, 6Dxxx, 4Pxxx, 5Pxxx, 6Pxxx,

18:45-19:00 - **Closing**