



OINT EVENT ROCAM & ISyDMA 2017:

**THE 9th INTERNATIONAL CONFERENCE ON
ADVANCED MATERIALS, ROCAM 2017
&
THE 2nd INTERNATIONAL SYMPOSIUM ON
DIELECTRIC MATERIALS AND APPLICATIONS**



ISyDMA 2017

PROGRAM

Important events, July 10-14, 2017

Monday, 10 July 2017	Registration	18⁰⁰-19⁰⁰
	Welcome Party	19⁰⁰-20³⁰
Tuesday, 11 July 2017	Registration	08⁴⁵-09³⁰
	Opening Ceremony	09³⁰-10⁰⁰
Thursday 13 July 2017	Dinner Party	20⁰⁰-23⁰⁰
Friday 14 July 2017	Closing Ceremony	12⁰⁰-13⁰⁰

TIME RULES

PLENARY LECTURES (PL): 45 min., discussion included
INVITED PAPERS (I): 30 min., discussion included
ORAL CONTRIBUTIONS (O): 15 min., discussion included

POSTER SESSION

Panels of **90 cm wide and 110 cm** height shall be available for **poster presentations (PO)**.

Schedule of Poster Sessions:

TUESDAY, 11.07.2017, 19:00-20:30 S1, S2, S4, S5, S8
THURSDAY, 13.07.2017, 18:00-19:30 S3, S7, S6

ROCAM 2017 – Sections' schedule

		ROOM A	ROOM B	ROOM C	ROOM D	POSTER ROOM
MONDAY 10 JULY	18:00-19:00	REGISTRATION				
	19:00-20:30	WELCOME PARTY				
TUESDAY 11 JULY	8:45-9:30	REGISTRATION				
	9:30-10:00	OPENING CEREMONY				
	10:00-11:30	PLENARY LECTURES				
	11:30-11:45	BREAK				
		PARALLEL SECTIONS				
	11:45-13:15		S1	S2	S5	
	13:15-13:30	CONFERENCE PICTURE				
	13:30-14:30	LUNCH BREAK				
	14:30-15:15	PLENARY LECTURE				
	15:15-15:30	BREAK				
		PARALLEL SECTIONS				
	15:30-17:00		S1	S8	S5	
	17:00-17:15	BREAK				
	17:15-18:45		S1	S3	S7	
	18:45-19:00	BREAK				
	19:00-20:30	POSTER SESSION: S1, S2, S4, S5, S8				
	WEDNESDAY 12 JULY		PARALLEL SECTIONS			
8:30-10:00			S1	S2	S6	
10:00-10:15		BREAK				
10:15-11:45			S7	S2	S4	
11:45-12:00		BREAK				
12:00-13:30		EXHIBITORS PRESENTATIONS				
13:30-14:30		LUNCH BREAK				
14:30-15:15		PLENARY LECTURE				
15:15-15:30		BREAK				
15:30-17:00			S7	S3	S4	
THURSDAY 13 JULY		PARALLEL SECTIONS				
	8:30-10:00		S1	S3	S6	
	10:00-10:15	BREAK				
	10:15-11:45		S5	S3	S6	
	11:45-12:00	BREAK				
	12:00-13:30	S4	S7	S8	S6	
	13:30-14:30	LUNCH BREAK				
	14:30-16:00	PLENARY LECTURES				
	16:00-16:15	BREAK				
		PARALLEL SECTIONS				
	16:15-17:45	S3	S2	S8	S4	
	17:45-18:00	BREAK				
18:00-19:30	POSTER SESSION: S3, S6, S7					
19:30-20:00	BREAK					
20:00-23:00	DINNER PARTY					
FRIDAY 14 JULY		PARALLEL SECTIONS				
	8:30-10:00		S3	S8	S4	
	10:00-10:15	BREAK				
		PARALLEL SECTIONS				
	10:15-11:45		S2	S8	S5	
	11:45-12:00	BREAK				
12:00-13:00	CLOSING JOINT CEREMONY					
	LUNCH BREAK					

Plenary Lectures

Room A

TUESDAY 11.07.2017	10:00-10:45	Koichi Kakimoto	Multi-scale Modelling of Crystal Growth: from Silicon to Wide bandgap materials
	10:45-11:30	Thomas Kuech	Surface kinetics and thermodynamics in the formation of new metastable semiconductor alloy
	14:30-15:15	Peter Vekilov	Hematin crystallization as a part of malaria parasite physiology
WEDNESDAY 12.07.2017	14:30-15:15	Tadao Nagatsuma	Material and Device Challenges for the Future of Terahertz Communications
THURSDAY 13.07.2017	14:30-15:15	Joseph Greene	Fundamental Properties of TM Nitrides: Materials Design Strategies for Extreme Properties
	15:15-16:00	Elias Vlieg	Structure of solid-liquid interfaces: GaN-Ga & mica-electrolyte

INVITED PAPERS

TUESDAY				
11.07.2017	11:45-12:15	S1	Daniel Vizman	Numerical study of the impurities transport in a silicon directional solidification process
	11:45-12:15	S2	Stefan Antohe	Effects of ionizing radiations on the A2-B6 thin films photovoltaic cells
	11:45-12:15	S5	Maryline Guilloux-Viry	Ferroelectric oxide thin films for microwave reconfigurable devices: a focus on growth characterization and integration of thin films in the (K,Na) - (Ta,Nb) - O system
	12:15-12:45	S1	Christiane Frank-Rotsch	Improvement of semiconductors crystal growth by application of travelling magnetic fields
	12:15-	S2	Monica Enculescu	Polymer nanofibers produced by electrospinning: towards white light

	12:45			emission
	12:15-12:45	S5	Catalin-Daniel Goldner-Constantinescu	Pulsed Laser Deposition of Thin Film Capacitors in Different Configurations with Applications in Highly Tunable Digital and Analog Microwave Devices
	15:30-16:00	S1	Kazuo Nakajima	NOC growth of uniform large Si single ingots for p-type solar cells with the conversion efficiency and yield as high as those of the CZ solar cells using a cast furnace
	15:30-16:00	S8	Juozas Vidas Grazulevicius	Materials for organic light emitting diodes based on thermally activated delayed fluorescence
	15:30-16:00	S5	Nathan Newman	Identifying the fundamental mechanisms that limit the performance of modern microwave ceramic dielectrics
	16:00-16:30	S1		
	16:00-16:30	S8	Hendrik Swart	Photon and electron beam pumped up- and down conversion luminescence of RE activated phosphors
	16:00-16:30	S5	Pierre Blondy	Integration of millimeter-wave components using micro additive fabrication
	16:30-17:00	S8	Felicia Iacomi	Studies on some emerging layered hybrid nanocomposites
	17:15-17:45	S1	Narcis Avarvari	Chiral Materials Based on Tetrathiafulvalene and Metal Dithiolene Complexes
	17:15-17:45	S3	Corneliu Ghica	Advanced electron microscopy for advanced materials
	17:15-17:45	S7	Jorge Iniguez	Exotic orders and emergent phenomena in ferroelectrics
WEDNESDAY				
12.07.2017	08:30-09:00	S1	Marius Stan	Uncertainty of Phase Diagrams via Machine Learning
	08:30-09:00	S2	Mihaela Girtan	Solar Cells and Photonic Devices
	08:30-09:00	S6	Cornelia Palivan	Multifunctional protein-polymer assemblies at the nanoscale
	10:15-10:45	S7	Ionela Lindfors-Vrejoiu	Driving forces and challenges for interfacing functional perovskite oxides
	10:15-10:45	S2	Ioana Pintilie	Hysteresis effects and Stability Issues in Perovskite Solar Cells

	10:15-10:45	S4	Dan Brett	Probing the Internal Workings of Polymer Electrolyte Fuel Cells
	15:30-16:00	S7	Florencio Sanchez	Tuning Lattice Strain and Electrical Properties of Epitaxial Ferroelectric BaTiO₃ Films on Si(001)
	15:30-16:00	S3	Liliana Stan	Metal oxide functionalized multi-walled carbon nanotubes for highly sensitive gas sensors
	15:30-16:00	S4	Magdalena Titirici	Hydrothermal Carbon Nanocrystals – A New Generation of Sustainable Optically Active Materials
	16:00-16:30	S7	Aurelian Rotaru	Temperature and pressure effect on the dielectric and charge transport properties of spin crossover materials
	16:00-16:30	S4	Amine Bermak	Autonomous self-powered and self-calibrated Microsystems for IoT applications
THURSDAY				
13.07.2017	08:30-09:00	S1	Hanna Dabkowska	Growing single crystals of exotic oxides
	08:30-09:00	S3	Andrei Manolescu	Localization of electrons in core-shell nanowires
	08:30-09:00	S6	Manuel Ricardo Ibarra García	Dendritic cells therapy based in magnetic nanoparticles using magnetic hyperthermia
	09:00-09:30	S6	Lucia Curri	Multifunctional hybrid nanomaterials based on colloidal nanoparticles for biomedical applications
	10:15-10:45	S5	Masahiko Tani	Non-collinear electro-optic sampling techniques for terahertz wave detection
	10:15-10:45	S3	Simion Astilean	Controlling the Fabrication and Surface Functionalization of Plasmonic Nanoparticles Towards Applications in Nanomedicine
	10:15-10:45	S6	Carmen Mariana Chifiriuc	Microbial adherence and biofilms: beneficial and negative consequences
	10:45-11:15	S5	Hiroaki Minamide	Terahertz-wave technology based on nonlinear optics
	10:45-11:15	S6	Mihaela Stefan	Functional Polycaprolactones for Micellar Delivery of Anticancer Drugs and Histone Deacetylase Inhibitors (HDACi)
	12:00-12:30	S4	Paul Shearing	Using X-ray Tomography over Multiple Time and Length Scales to Examine Li-ion Battery Materials
	12:00-12:30	S7	Andreas Schoenhals	Molecular Dynamics of Discotic Liquid Crystals in the Bulk and Embedded in Nanochannels
	12:00-	S8	Ion Tiginyanu	Three-Dimensional Architectures of Nanomaterials for Multifunctional

	12:30			Applications
	12:00-12:30	S6	Victor Diculescu	Nanostructured Electrochemical Biosensors; Basic Concept and Applications
	12:30-13:00	S7	Horia Alexandru	About the nature of ferroelectric transition in TGS
	16:15-16:45	S3	Mircea Modreanu	Theoretical and experimental approaches for the development of functional metal oxides
	16:15-16:45	S2	Jean Roncali	Design of scalable molecular materials for organic solar cells
	16:15-16:45	S8	Xixiang Zhang	The observation of skyrmion in centrosymmetric polycrystalline magnets at room-temperature
	16:15-16:45	S4	Robin Jeremy White	Carbon supported catalysts for circular economy applications
	16:45-17:15	S3	Khalid Nouneh	Synthesis and characterization of metal oxides and nanostructures for energy and environment
	16:45-17:15	S8	Lucian Prejbeanu	Magnetic Random Access Memories: status and roadmap
	17:15-17:45	S8	Victor Kuncser	New insights on magnetic interactions and related effects in diluted magnetic systems
FRIDAY				
14.07.2017	08:30-09:00	S8	Toma Stoica	Two-dimensional MoS₂: growth control of large area and heterostructures
	08:30-09:00	S4	Philipp Adelhelm	From lithium-ion to sodium-ion batteries: progress and dreams
	09:00-09:30	S4	Viorica Parvulescu	Photoelectrode materials with TiO₂-Fe₂O₃ nano-oxides for water treatment and energy generation
	10:15-10:45	S2	Rodica V. Ghita	Aspects of GaSb active devices technology
	10:15-10:45	S8	Magdalena Lidia Ciurea	Ge nanocrystals in oxides for enhancing non-volatile memory performance
	10:15-10:45	S5	Mircea Dragoman	Beyond Moore law: electron devices based on atomically thin materials

Exposants

Room A

WEDNESDAY	12:00-12:20	OrigaLys - A New Look at Electrochemistry	Frédéric Dussaut(from OrigaLys Electrochem SAS)
12.07.2017	12:20-12:40	New trends in analytical techniques developed by Agilent Technologies	Alin Mogos, (from Agilrom Scientific)
	12:40-13:00	The advantage of combining different metrology techniques for measuring surfaces. Surface metrology applications	Albert Sanchez, (from SENSO FAR Metrology)
	13:00-13:20	EnviroESCATM – The Revolution of a Method	Liana Socaciu-Siebert, Stephan Bahr, Michael Meyer, Paul Dietrich, Thorsten Kampen, Oliver Schaff and Andreas Thissen (from SPECS Surface Nano Analysis GmbH)

Oral contributions

S1: [Crystals: Growth, Characterization, Modeling and Applications](#)

11 July 11:45-13:15	1242	Alexandra-Camelia	Joita	ESR of irradiation point defects in pure and 170 doped Si-FZ single crystals at high doses of 3.5MeV electrons
	1306	Lucian	Gheorghe	LaxGdyScz(BO3)4 (x +y + z = 4) nonlinear optical crystals grown by the Czochralski method
11 July 15:30-17:00	1155	Amelia	Bocirnea	Band bending in Ge(001) at the interface with Ni investigated by X-ray photoelectron spectroscopy
	1219	Oleg	Rabinovich	Developing growth method for heterostructures
	1221	Sergey	Didenko	NITRIDE HETEROSTRUCTURE OPTIMIZATION FOR PHOTODETECTORS and SOLAR CELLS
11 July 17:15-18:45	1464	Stelian	Arjoca	Single Crystal Phosphors for High-Brightness White LEDs
	1203	Serdar	Delice	Thermoluminescence properties of GaSe:Mn single crystals
	1363	Asmaa	EL KHOURI	Synthesis and characterization of lanthanides doped Tricalcium phosphates

12 July 08:30-10:00	1259	Konstantin	Kokh	GROWTH OF Ga₂S₃ CRYSTALS FROM DIFFERENT FLUXES
	1189	Cherif	Belamri	PHASE TRANSFORMATION TO THE MATRIX-PRECIPIRATE INTERFACES DETERMINED BY ISOTHERMAL MECHANICAL SPECTROSCOPY (IMS).
	1191	Saida	Belhas	RELAXATION EFFECTS RELATED TO PHASE TRANSITIONS IN AN EQUIATOMIC Cu-Zr ALLOY.
13 July 08:30-15:00	1404	Jacobus	Terblans	Diffusion and segregation of Ag in Cu(Ag) bulk- and nanocrystals.
	1199	Tanju	TEKER	Dry sliding wear of as-cast and heat treated Ti₃Al alloyed hypereutectic HCrWCI
	1423	Bhoomika	Jogiya	GROWTH AND INHIBITION OF CALCIUM OXALATE CRYSTALS BY Terminalia Arjuna EXTRACTS

S2: Solar Energy. Advanced Materials and Devices

11 July 11:45-13:15	1357	EMMANUEL	IWUOHA	ORGANIC PHOTOVOLTAICS AND LUMINESCENCE OF NEW GENERATION ANTHANTHRENE AND ANTHATHRONE HOMO-POLYMERS
12 July 08:30-10:00	1255	Catalin-Paul	Constantin	Donor-acceptor systems based on phenoxazine moiety for solar cells applications
	1263	Andra-Elena	Stroia	Novel triphenylamine-based polymers for optoelectronic applications: synthesis and characterization
	1362	Mariana-Dana	Damaceanu	Tuning the optical effects of phenoxazine-based push-pull systems towards solar cells applications
	1493	Arastoo	Khalili	Competition between thermal and optical escape in type-II quantum dot solar cells: a numerical study
12 July 10:15-11:45	1193	Dang-Hyok	Yoon	Fabrication and heat transfer efficiency of a cellular SiCf/SiC for concentrating solar power applications
	1226	Maria Dolores	Romero-Sanchez	INNOVATIVE MICRO-ENCAPSULATION METHODS OF INORGANIC PHASE CHANGE MATERIALS FOR THERMAL ENERGY STORAGE
	1394	Edward	Lee	Phosphors for application in solar cells: Bi, Yb co-doped Y₂O₃
	1290	Stefan	Neatu	Three-component photocatalytic systems as new approach for water splitting reaction
13 July 16:15-17:45	1402	Bogdan	Bitu	ON THE PHOTOVOLTAIC BEHAVIOR OF POLYMERIC/BIOLOGIC SEMICONDUCTING THIN FILMS BASED STRUCTURES
	1220	Marina	Orlova	Photoconductivity of thin-film solar cells with enhanced stability on the basis of doped metal-organic compounds
14 July 10:15-11:45	1395	LUCAS	ERASMUS	MEASUREMENT OF THE OPTICAL THERMOMETRY PROPERTIES OF La₂O₂S:Eu PHOSPHOR MATERIAL FOR APPLICATION AS AN OPTICAL TEMPERATURE SENSOR.
	1485	Gherendi	Florin	Nd:ZnO THIN FILMS FOR OPTOELECTRONIC DEVICES

S3: Thin films and nanostructures of advanced functional materials

11 July 17:15-18:45	1182	Shu-Lin	Bai	Processing and Electromagnetic Properties of Graphene Oxide Film/Polymer Composites
	1365	Andreea	COSTAS	Magnetic Anisotropy in Electrodeposited Metallic Nanowires
	1197	Marius-Adrian	Husanu	Mass Renormaization and Orbital Polarization at a Ferroelectric/Ferromagnetic Interface
12 July 15:30-17:00	1296	Flavian	Stokker-Cheregi	Laser Direct Write of Flexible Sensor Systems
	1348	Bogdan-Catalin	Serban	Resistive Oxygen Gas Sensor Based on STFO- SWCNT Nanocomposite Mixture
	1162	ilham	BOUKNAITIR	Investigation of ultraviolet optical and electrical properties of polymer composite films based on carbon dots and poly (methyl methacrylate)
	1215	Ammar	BOUKHARI	Thickness Effect on Structural, Electrical and Optical Properties of ZnO Films Deposited by Sol-Gel Spin Coating Method
13 July 08:30-10:00	1178	Jyh-Shiarn	Cherng	Yttria-stabilized Zirconia: from Nanoionics to Nanoelectronics
	1156	Alina Georgiana	Ilie	TiO₂ Nanoparticle Generation by Laser Pyrolysis: Raman Spectra Analysis
	1425	Catalin	Palade	Ge nanocrystals in oxides with memory and photoelectrical properties
	1371	Alexandru	Evangelididis	Comparing numerical simulations of electrospinning with experimental results
13 July 10:15-11:45	1355	Cristina	Chirila	Pulsed Laser Deposition of Epitaxial Ferroelectric Thin Films and Their Potential Applications
	1330	Mahmoud Moradi	Hosein Arabi	Laser surface hardening of AISI 410 stainless steel by using high power diode laser
13 July 16:15-17:45	1339	BORCA	Bogdana	Electric-Field-Driven Chemical Reaction of Single Molecules
14 July 08:30-10:00	1205	SILVIU COSMIN	SANDU	Influence of Sc content on the nanostructure and complexion formation in magnetron sputtered AlScN thin films
	1249	Angela	Vlad	Chromophore intercalated Layered Double Hydroxides thin films with photoluminescence response
	1287	Aurelian-Catalin	Galca	Spectroscopic Ellipsometry Studies on Amorphous Oxide Semiconductors
	1301	Mariana	Stefan	CERIC project at the EPR facility from NIMP: EPR investigation of historical pigments

	1327	Daniela	Ghica	The curious effect of the Mn ions on the doped Zn(OH) ₂ synthesis
	1350	Mihaela	Botea	Pyroelectricity in polar materials

S4: Advanced Materials for Energy and Environmental Applications

12 July 10:15-11:45	1351	Mihaela	Florea	Synthesis of self-assembled ZrO ₂ doped materials for PEMFCs
	1284	Kathrin	Preuss	Sustainable electro-catalysts for the oxygen reduction reaction in fuel cells
	1447	ABDELKARIM	OUASS	Inhibitory Action of Poly (Acrylic Sodium) on The Corrosion of Mild Steel in Acid Medium
	1299	Servann	HEROU	Lignin-Based Carbon Nanofibres for Flexible Energy Storage
12 July 15:30-17:00	1292	Mo	Qiao	Oxygenophilic Ionic Liquids Promote Oxygen Reduction Reaction Catalysis in Nanocarbons
13 July 12:00-13:30	1233	Rhodri	Jervis	X-ray Tomography of Redox Flow Battery Materials
	1177	Dina	Ibrahim Abouelamaiem	The Effect of Porous Morphology of KOH-Activated Carbons on the Electrochemical Impedance Spectroscopy in Supercapacitor Applications
	1368	Ofeliya	Kostadinova	Structural organization influence on conductivity of pure and composite LiNaSO ₄ materials
	1379	Alfred	Christy	The state of water in cement studied by near infrared spectroscopy
13 July 16:15-17:45	1510	Nesibe A.	Dogan	Direct Access to Primary Amines and Particle Morphology Control in Nanoporous CO ₂ Sorbents
	1246	Ana Belen	Jorge Sobrido	Metal-Free Photocatalyst Materials – Carbon Nitride Quantum Dots
	1400	LAMYA	KADIRI	CORIANDRUM SATIVUM.L SEEDS EXTRACT AS AN ECO-FRIENDLY CORROSION INHIBITOR OF MILD STEEL IN ACIDIC MEDIUM
	1278	Faruk	Can	Investigation of Iron-Porphyrin Modified Membranes for Waste Gas Treatment
14 July 08:30-10:00	1211	Mustapha	Ait Ali	Fast Room Temperature Solution-Phase Approach to Nanostructured Copper Oxides: Efficient and Re-Used Catalyst in Degradation of Organic Dyes
	1253	Andrei	Tomulescu	Industrial friendly method for titanium oxide layers deposition used in perovskite solar cells

S5: Electronic materials and devices: from RF to THz

11 July 11:45-13:15	1186	Aurelian	Crunteanu	High-frequency characterisation of ferroelectric thin film capacitors and their integration for frequency tunable antennas
	1462	Vanessa	Orozco Montes	Size effect of silver nanoparticles (Ag NPs) embedded in a-Al ₂ O ₃ and a-AlN matrix on optical and electrical properties
11 July 15:30-17:00	1185	Aurelian	Crunteanu	Phase- transition and phase change materials integration for broadband, fast switching and agility at high-frequency domains
	1429	Michael	Gaudin	Vanadium dioxide by laser ablation: thin film vs nanoparticle stack. Evidences of metal to insulator transition differences
13 July 10:15-11:45	1271	Charlotte	Cochard	Broadband Characterization of LiNbO ₃ : Influence of optical-damage-resistant dopant
	1538	Liviu	Nedelcu	Millimeter-wave properties of low-loss dielectrics investigated by terahertz time-domain spectroscopy
14 July 10:15-11:45	1241	Mihai-Cezar	Harabula	Blocking states and inelastic cotunneling outside the Coulomb blockade
	1245	Chloé	Méjean	New composite and new form for anechoic chamber absorbers
	1457	Mohamed	Nabil Srifi	A Novel Metamaterial Based UWB Antenna Using Rotated F-Slot Defected Ground Structure
	1458	Rochdi	Messoussi	Metamaterial Loaded Antenna for Tri-band Applications

6: Advanced Biomaterials, Biodevices and Biotechnology

12 July 08:30-10:00	1465	Roxana Cristina	Popescu	Fabrication of Functionalized Magnetite Nanoparticles with Applications in Drug Delivery Systems
	1164	Cornelia	Sima	Si/SiO ₂ Nanoparticles Synthesised by Nanosecond Versus Picosecond Laser
	1265	Aurelia	Vasile	Development of Modified-Delivery Therapeutic Systems Based on Nanoporous Inorganic Matrices for Topical Applications
	1268	Madalina	Ciobanu	Functionalized Mesoporous Silica Nanoparticles with Plant Extracts as Biohybrid Delivery Vehicles for Active Ingredients in Pharmaceutical Fields
13 July 08:30-10:00	1324	Oana	Fufă	HAp/AgNPs coatings for titanium-based implants
	1341	Anita	Visan	Antimicrobial composite coatings based on polyaniline grafted lignin loaded with gentamicin functionalized magnetic nanoparticles for medical applications
13 July 10:15-11:45	1359	Teodor Adrian	Enache	Structural modification and voltammetric characterization of amyloid beta peptide
	1361	Madalina	Barsan	Application of nanostructured materials in (bio)sensing
13 July 12:00-13:30	1388	Mervette	Batouti	Recovery of Direct Dyes from Spent Dyeing and Soaping Liquors by Macro-reticular Ion Exchange Resins

S7: Advances in dielectric, ferroelectric, multiferroic materials

11 July 17:15-18:45	1479	Lucian Dragos	Filip	Optimization of Berry phase polarization calculations
	1418	Andra-Georgia	Boni	Multiple polarization states in symmetric ferroelectric multilayered structures for multi-bit ferroelectric non-volatile memories
	1360	mohamed	afqir	Synthesis, structural, dielectric and electrical properties of Ho-doped SrBi₂Nb₂O₉ ceramics
12 July 10:15-11:45	1338	Valentin	Teodorescu	STRAIN NANODOMAINS IN EPITAXIAL BiFeO₃ FILMS REVEALED BY HRTEM
	1411	Roxana	Radu	PbTiO₃ ferroelectric films with potential application in solar cells
12 July 15:30-17:00	1201	Liviu Cristian	Tanase	Combined LEED and XPS characterization of ferroelectric surfaces: ferroelectric dead layers
	1248	Ioana Cristina	Bucur	Multiferroic Mn:Pb(Zr,Ti)O₃
13 July 12:00-13:30	1543	Gabriel	Caruntu	Ferroelectric Perovskite Colloidal Nanocrystals for Energy Storage and Transistor Applications
	1172	NIOUA	YASSINE	PREDICTION OF DIELECTRIC PROPERTIES OF COMPOSITE MATERIALS BY USING AN INTERPHASE APPROACH

S8: Emerging materials

13 July 12:00-13:30	1504	Cosmin	Farcau	ENHANCEMENT AND MODULATION OF LIGHT EMISSION IN METAL-COATED MONOLAYERS OF ETCHED MICROSPHERES
	1212	ELENA	VLADESCU	PLASMONIC WAVEGUIDE ARCHITECTURES FOR LIGHT MANIPULATION USING THE TRANSMISSION LINE ANALOGY
	1358	Maria Dolores	Romero-Sanchez	NANOTECHNOLOGY FOR ADVANCED PROPERTIES IN FOOTWEAR MATERIALS
14 July 08:30-10:00	1180	Anca	Birsan	MAGNETIC PROPERTIES IN SPIN GAPLESS SEMICONDUCTORS
	1223	Hyo Tae	Kim	Thermal and Mechanical Properties of Alumina Ceramics Toughened by Boron Nitride Nanotubes
	1393	Anda Elena	Stanciu	MAGNETIC AND MAGNETORESISTIVE PROPERTIES OF FE-AU GRANULAR THIN FILMS IN CONNECTION WITH SELF-ORGANIZATION PHENOMENA
	1304	Alexandru	Atitoaie	MACROSPIN CHARACTERIZATION OF FULLY PERPENDICULAR SPIN TRANSFER TORQUE NANO-OSCILLATORS
14 July 10:15-11:45	1320	Fanelwa	Ajayi	GRAPHENATED NANOPARTICLES BASED IMMUNOSENSORS FOR THE DETECTION OF TB BIOMARKERS
	1428	Andrei	Avram	CVD GRAPHENE GROWTH ON COPPER FOIL WITH FULL SURFACE COVERAGE
	1181	Volodya	Harutyunyan	INTERBAND OPTICAL TRANSITIONS IN NANOSPHERICAL InP/InAs/InP HETEROSTRUCTURE

