



**ACCEPTED ABSTRACTS**  
**21<sup>st</sup> International Balkan Workshop on Applied Physics and Materials Science**  
**11-14 July 2023 Constanta, ROMANIA**

Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Mircea		DRAGOMAN	National Institute for Research and Development in Microtechnologies (IMT Bucharest)	Bucharest	Romania		A PERSPECTIVE ON AN ARTIFICIAL SOLID-STATE BRAIN	plenary
Dr.	Calin	A	UR	ELI-NP/IFIN-HH	Magurele	Romania		EXTREME LIGHT INFRASTRUCTURE - NUCLEAR PHYSICS : 10 YEARS AFTER	plenary
Mr.	Pawel		OLWEK	Rigaku Europe SE	Neu-lsenburg	Germany		MULTI TECHNIQUE APPROACH FOR MICRO AND NANO ANALYSIS	plenary
Mrs.	Delia		FUCIU	Verder		Romania		RELIABLE SAMPLE PREPARATION AND ANALYSIS FOR NANOMATERIALS	plenary
Prof.	Vlad	A	ANTOHE	University of Bucharest, Faculty of Physics	Bucharest	Romania	1	PHYSICAL AND PHOTOELECTRIC PROPERTIES OF HETEROJUNCTIONS BASED ON ZINC TELLURIDE AND ZINC SELENIDE THIN FILMS, FOR UV DETECTORS	invited
Prof.	Victor		CIUPINA	"Ovidius" University of Constanta	Constanta	Romania	1	SYNTHESIS AND CHARACTERIZATION OF C/TI/C/AL/C/SI MULTILAYER AND C+TI/C+AL/C+SI COMPOSITE THIN FILMS	invited
Dr.	Silviu		POLOSAN	National Institute of Materials Physics	Magurele	Romania	1	PEROVSKITES FOR LIGHT-EMITTING DIODES	invited
Prof.	Cristian	M	TEODORESCU	National Institute of Materials Physics	Magurele	Romania	1	A NEW THEORY OF BAND FERROMAGNETISM AND ITS CONSEQUENCES	invited
Dr.	Catalin		VITELARU	National Institute for Research and Development in	Magurele	Romania	1	TRANSPARENT ULTRATHIN METALLIC FILMS BY HIPIMS PROCESS-APPLICATIONS AND PERSPECTIVES	invited



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
				Optoelectronics INOE 2000					
Ms.	Maria	C	BALASIN	University of Bucharest, Faculty of Phosics	Magurele	Romania	1	THE INFLUENCE OF CUPC NOPARTICLES ADDING ON THE PERFORMANCES OF PHOTOVOLTAIC CELLS BASED ON P3HT:PC71BM (1:1) PLOYMERIC BLEND	oral presentation
Dr.	Andreea	I	BARZIC	"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania	Iasi	Romania	1	PHOTO-GENERATION OF PROPERTIES IN POLYIMIDE-BASED SUPRAMOLECULAR SYSTEMS	oral presentation
Dr.	Diana		BENEA	Babes-Bolyai Univ.	Cluj-Napoca	Romania	1	INTRINSIC MAGNETIC PROPERTIES OF THMN12-TYPE SM-FE-CO-V ALLOYS	oral presentation
Dr.	Bogdana		BORCA	National Institute of Materials Physics	Magurele	Romania	1	MEMRISTIVE SPIN-VALVES BASED ON GUANINE NUCLEOBASE	oral presentation
Mr.	Ovidiu		COJOCARU	National Institute of Materials Physics	Magurele	Romania	1	BANDGAP OF GE-RICH GESI AND GESN NANOCRYSTALS FOR SWIR SENSORS BY AB INITIO CALCULATIONS	oral presentation
Ms.	Marina		CUZMINSCHI	Department of Theoretical Physics, Horia Hulubei National Institute of Physics and Nuclear Engineeri	Magurele	Romania	1	STUDY OF HIGHLY DISSIPATIVE ARRAYS OF JOSEPHSON JUNCTIONS WITH LC-SHUNTING	oral presentation
Dr.	Ioana		DASCALESCU	National Institute of Materials Physics	Magurele	Romania	1	ENHANCED PHOTOCONDUCTIVITY OF HYDROGENATED GESN THIN FILMS	oral presentation
Ms.	Alexandra		DRANCA	Faculty of Physics, Alexandru Ioan Cuza University	Iasi	Romania	1	DISENTANGLE BETWEEN STATIC AND DYNAMIC EFFECTS IN MOLECULAR MAGNETS HYSTERESIS	oral presentation
Ms.	Simona		IONITA	"Ilie Murgulescu" Institute of Physical Chemistry	Bucharest	Romania	1	UNCONVENTIONAL METHODS FOR CO-CRYSTALS SYNTHESIS	oral presentation



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Ms.	Teodora		MATEI	Alexandru Ioan Cuza University of Iasi	Iasi	Romania	1	PIEZO-ENHANCED PHOTOCATALYTIC ACTIVITY OF BISMUTH FERRITE THIN FILMS DEPOSITED BY REACTIVE HIPIMS	oral presentation
Dr.	Raul	A	MITRAN	"Ilie Murgulescu" Institute of Physical Chemistry	Bucharest	Romania	1	MECHANOCHEMICAL SYNTHESIS OF RESVERATROL-PIPERAZINE CO-CRYSTALS	oral presentation
Dr.	George	A	NEMNES	Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH)	Magurele-Ilfov	Romania	1	INSIGHTS ON THE DEGRADATION OF PEROVSKITE SOLAR CELLS FROM BIAS STRESS TESTS	oral presentation
Dr.	Iulian		PANA	National Institute of Research and Development for Optoelectronics - INOE 2000	Magurele	Romania	1	FUNCTIONAL PROPERTIES OF SPUTTERED MG DOPED HYDROXYAPATITE COATINGS DEPOSITED ON AZ31B ALLOY SUBSTRATES	oral presentation
Dr.	Ovidiu		PANA	Natl. Inst. for R&D. of Isotopic and Molec. Technol. (INCDTIM)	Cluj-Napoca	Romania	1	PROXIMITY EFFECTS AT SEMICONDUCTOR/HALF-METAL INTERFACES	oral presentation
Ms.	Maria	L	STINGESCU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	1	INFLUENCE OF GRAPHENE OXIDE ADDING ON THE PHOTOVOLTAIC PROPERTIES OF BULK HETEROJUNCTION SOLAR CELLS	oral presentation
Dr.	Iuliana		STOICA	"Petru Poni" Institute of Macromolecular Chemistry	Iasi	Romania	1	TESTING OF THE PATTERNED AZO-POLYIMIDIC SUBSTRATES FOR TARGET APPLICATIONS	oral presentation
Ms.	Catalina	D	USURELU	National Institute for Research & Development in Chemistry and Petrochemistry ICECHIM Bucharest	Bucharest	Romania	1	EFFECT OF SURFACE TREATED NANOCELLULOSE ON THE CRYSTALLIZATION BEHAVIOR OF POLY(3-HYDROXYBUTYRATE)	oral presentation



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Ana-Maria		VOICULESCU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	1	SYNTHESIS AND OPTICAL CHARACTERIZATION OF A NEW RED PHOSPHOR SRLGAG04 DOPED WITH EU3+	oral presentation
Dr.	Raluca	M	ALBU	"Petru Poni" Institute of Macromolecular Chemistry	Iasi	Romania	1	POLYIMIDE/AZO DYE SYSTEMS FOR FLEXIBLE ELECTRONICS: MOLECULAR MODELING AND REFRACTION PROPERTIES	poster
Dr.	Cristina	A	BANCIU	INCIE ICPE-CA Bucuresti	Bucharest	Romania	1	IMPROVED DURABILITY OF STYRENE-ISOPRENE-STYRENE TRIBLOCK COPOLYMER ADDED WITH REDUCED GRAPHENE OXIDE	poster
Ms.	Elena	I	BANCU	National Institute for Laser, Plasma and Radiation Physics/ University of Bucharest	Bucuresti	Romania	1	PHYSICAL PROPERTIES OF AZO THIN FILMS PREPARED BY THE PULSED LASER DEPOSITION (PLD) TECHNIQUE, AT DIFFERENT WORKING PRESSURES	poster
Prof.	Adriana	N	BURCI	University of Bucharest	Bucharest	Romania	1	USING SEM AND EDS ANALYSIS FOR THE PHYSICAL CHARACTERIZATION OF A PT/C CATALYST, OBTAINED BY REDUCING H <sub>2</sub> PTCL <sub>6</sub> · 3H <sub>2</sub> O WITH ETHYLENE GLYCOL	poster
Dr.	Gabriel	R	BUSE	Institute for Advanced Environmental Research (ICAM), West University of Timisoara	Timisoara	Romania	1	LUMINESCENCE STUDY OF LEAD IONS DOPED INTO FLUORIDE CRYSTALS GROWN BY BRIDGMAN METHOD	poster
Dr.	Bogdan		BUTOI	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	1	ELECTRO-OPTICAL SWITCHING OF PLASMA DEPOSITED PANI LAYERED LIQUID CRYSTAL CELLS	poster
Prof.	Radion		CHERKEZ	Chernivtsi State University	Chernivtsi	Ukraine	1	FUNCTIONALLY GRADED MATERIALS FOR THERMOELECTRICITY	poster
Dr.	Iulia Corina		CIOBOTARU	National Institute of Materials Physics	Magurele	Romania	1	SYNTHESIS AND CHARACTERIZATION OF ANTIMONY HYBRID PEROVSKITES FOR ORGANIC LIGHT-EMITTING DIODES APPLICATIONS	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Cristiana	D	CIRSTEA	INCDIE ICPE-CA	Bucharest	Romania	1	DILATOMETRIC ANALYSIS AND CHARACTERIZATION OF NITI SHAPE MEMORY ALLOYS	poster
Dr.	Mirela		CODESCU	R&D National Institute for Electrical Engineering ICPE-CA	Bucharest	Romania	1	SYNTHESIS OF NANOSTRUCTURED HYBRID PARTICLES FOR SUPERHYDROPHOBIC, DIRT REPELLENT COATINGS	poster
Ms.	Denisa	D	CUIBUS	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	RECYCLED AND NARIUM DIACID PHOSPHATE-MANGANESE-DOPED LEAD MATERIALS: XRD AND SPECTROSCOPIC INVESTIGATIONS	poster
Dr.	Elena		DIMITRIU	REGO COM	Bucuresti	Romania	1	EFFECTS OF DONOR ADDITIVES ON MICROSTRUCTURE AND DIELECTRIC PROPERTIES OF PZT CERAMICS	poster
Ms.	Oana		DUMBRAVA	"Petru Poni" Institute of Macromolecular Chemistry	Iasi	Romania	1	THEORETICAL AND EXPERIMENTAL APPROACHES APPLIED IN THE FORMULATION OF POLYSULFONE BASED MATERIALS: SOLUBILITY PARAMETER AND INTRINSIC VISCOSITY	poster
Mr.	Nicolae		FILIPOIU	Horia Hulubei National Institute for Physics and Nuclear Engineering	Magurele	Romania	1	INVESTIGATION OF THE BAND ALIGNMENT IN MIXED HALIDE PEROVSKITE- CU2O INTERFACES	poster
Dr.	Roxana		GAINA CAPU	University of Timisoara/ University of Fribourg	Timisoara/ Fribourg	Romania/ Switzerland	1	RSXS AND TRANSPORT STUDIES ON PROXIMITY EFFECT IN YBA2CU3O7/ND0.65(CA0.7SR0.3)0.35MNO 3 SUPERLATTICE	poster
Dr.	Petronela		GAROI	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	1	NANOSTRUCTURED NOBLE METALS DEPOSITED ONTO SIO2/SI WITH METAMATERIALS CHARACTERISTICS	poster
Dr.	Nicuser	I	IACOB	National Institute of Materials Physics	Magurele	Romania	1	SYNTHESIS OF MAGNETIC NANOPARTICLES UNDER IONIZING RADIATION	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Valentin		ION	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	1	ELECTRICAL PROPERTIES OF POLYCRYSTALLINE TERFENOL-D THIN FILMS OBTAINED BY PLD	poster
Dr.	Ana-Maria		IODACHE	National Institute of Research and Development for Optoelectronics - INOE 2000	Magurele	Romania	1	CESIUM-CARBON FOAM OBTAINED VIA MODIFIED PECHINI-METHOD	poster
Dr.	Stefan	M	IODACHE	National Institute of Research and Development for Optoelectronics - INOE 2000	Magurele	Romania	1	DETECTION OF CANDIDA SPP. WITH A COLORIMETRIC SENSOR BASED ON ORGANIC DYES IMMOBILIZED ONTO A PAPER STRIP-APPLICATION IN MEDICAL CARE	poster
Dr.	Ion		IVAN	National Institute of Materials Physics	Bucharest	Romania	1	COLOSSAL MAGNETORESISTANCE DETERMINED BY POLARIZED SPIN INJECTION IN SUPERCONDUCTOR/FERROMAGNET HETEROSTRUCTURES	poster
Dr.	Laurentiu	F	MARIN	National Institute for Research and Development in Chemistry and Petrochemistry - ICECHIM Bucharest	Bucharest	Romania	1	THERMAL GRAVIMETRIC ANALYSIS (TGA) USED TO IDENTIFY THE MORPHOLOGY OF THE GRAPHITE FILMS DEPOSITED ON METAL SURFACE BY ELECTRICAL DISCHARGE IN IMPULSE USING PYROLYTHIC GRAPHITE CATODE	poster
Ms.	Alice	O	MATEESCU	Horia Hulubei National Institute for Physics and Nuclear Engineering (IFIN-HH)	Magurele	Romania	1	SEM-EDS, AFM AND RBS INVESTIGATIONS OF TiO <sub>2</sub> +GRAPHENE OXIDE NANOPOWDERS DEPOSITED ON METALLIC SUBSTRATE BY ELECTROPHORETIC METHOD FOR EVALUATING OF THEIR IMMOBILIZATION LEVEL	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Marian		MOGILDEA	Institute of Space Science-INFLPR	Magurele	Romania	1	DEVELOPMENT OF THE NEW COMPOSITE MATERIALS WITH HIGH X RAY ATTENUATION FACTOR	poster
Dr.	Cristian	C	MORARI	National Institute of Research and Development for Electrical Engineering ICPE-CA	Bucharest	Romania	1	THE INFLUENCE OF SYNTHESIS PARAMETERS ON THE STRUCTURAL, MORPHOLOGICAL AND ANTIBACTERIAL PROPERTIES OF ZNO AND ZNO DOPED WITH AG	poster
Ms.	Gabriela	M	OPRICA	National Institute for Research and Development in Chemistry and Petrochemistry	Bucharest	Romania	1	NANOFIBRILLATED CELLULOSE AS A STABILIZER OF PICKERING EMULSIONS	poster
Mr.	Calin	A	PANTIS-SIMUT	Horia Hulubei National Institute for Physics and Nuclear Engineering/University of Bucharest	Bucharest	ROMANIA	1	ASSESSING ELECTRONIC AND STABILITY PROPERTIES OF 3D AND QUASI-2D PEROVSKITES	poster
Ms.	Amanda	T	PREDA	Research Institute of the University of Bucharest (ICUB)	Bucharest	Romania	1	THE DESIGN OF A PROBABILISTIC QUANTUM SORTER IN THE R-MATRIX FORMALISM	poster
Ms.	Anastasia		RAILEAN	Faculty of Physics, Alexandru Ioan Cuza University	Iasi	Romania	1	MECHANOELASTIC SIMULATIONS OF MOLECULAR MAGNETS LAYERS ON SUBSTRATES	poster
Ms.	Iulia		ROSCA	University Politehnica of Bucharest	Bucharest	Romania	1	NEW CdS-BENTONITE COMPOSITE WITH PHOTOCATALYTIC PROPERTIES	poster
Dr.	Gabriel		SCHINTEIE	National Institute of Materials Physics	Bucharest	Romania	1	CONTROLLING SHAPE AND PARTICLE SIZE DISTRIBUTIONS OF MAGNETITE	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
								NANOPARTICLES DESIGNED FOR BIOMEDICAL APPLICATIONS	
Ms.	Carla		SCHORNIG	West University of Timisoara	Timisoara	Romania	1	STUDY OF ETCH PITS MORPHOLOGY OF ERF3 DOPED BAF2 CRYSTALS	poster
Dr.	Alina		SOROCEANU	Institute of Macromolecular Chemistry "Petru Poni"	Iasi	Romania	1	STUDIES OF DIELECTRIC ELASTOMERS CONTAINING METAL COMPLEXES WITH ORGANOSILOXANE LIGANDS	poster
Dr.	Marius		STEF	West University of Timisoara	Timisoara	Romania	1	OPTICAL AND DIELECTRIC CHARACTERIZATION OF ERBIUM DOPED AND YTTERBIUM CO-DOPED BAF2 CRYSTALS	poster
Ms.	Elena		UNGUREANU	University POLITEHNICA of Bucharest	Bucharest	Romania	1	DEVELOPMENT AND IN VITRO EVALUATION OF HYDROXYAPATITE COATINGS OBTAINED BY ELECTROCHEMICAL MEANS	poster
Dr.	Irina		ZGURA	National Institute of Materials Physics	Magurele	Romania	1	NATURAL TEMPLATES-ASSISTED SYNTHESIS OF ZNO FIBROUS ARCHITECTURES	poster
Dr.	Vilma		BURSIKOVA	Institute of Physical Electronics	Brno	Czech Republic	2	DEPOSITION OF NANOCOMPOSITE CARBON-BASED THIN FILMS UNDER DUSTY PLASMA CONDITIONS	invited
Mr.	Florin		ENESCU	Institute for Ion Physics and Applied Physics	Innsbruck	Austria	2	PLASMA STRUCTURES ON COMPLEX GRIDDED CATHODES	invited
Prof.	Pavel		KUDRNA	Charles University, Faculty of Mathematics and Physics	Prague	Czech Republic	2	PLASMA DENSITY MEASUREMENT BY LANGMUIR AND CURLING PROBES IN HOLLOW CATHODE PLASMA JET IN ARGON WITH NITROGEN MIXTURE	invited
Dr.	Cristian	P	LUNGU	INFLPR - Magurele	Bucharest	Romania	2	PRODUCTION AND ANALYSIS OF BERYLLIUM DUST PARTICLES SIMILARLY TO THOSE FOUND IN JOINT EUROPEAN TORUS	invited
Prof.	Branko		SKORIC	Center for Surface Engineering and	Novi Sad	Serbia	2	MODIFICATION OF MATERIALS WITH PLASMA ION SOURCE	invited





Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
				Nanotechnology, University of Novi Sad					
Prof.	Milan		TICHY	Charles University, Faculty of Mathematics and Physics	Prague	Czech Republic	2	INVESTIGATION OF TIN REMOVAL FOR LIQUID METAL TOKAMAK DIVERTOR BY LOW PRESSURE ARGON ARC WITH HOT TUNGSTEN CATHODE SYSTEM	invited
Prof.	Rodica		VLADOIU	Ovidius University of Constanta/Academy of Romanian Scientists	Constanta/ Bucharest	Romania	2	COMPLEX NANOSTRUCTURES BASED ON MAGNESIUM DEPOSITED BY LASER- INDUCED THERMIONIC VACUUM ARC (LTVA) FOR HIGH-EFFICIENCY ELECTRODES	invited
Mr.	Catalin		CONSTANTIN	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	IMPROVING THE WORKING DOMAIN OF AN ATMOSPHERIC PRESSURE PLASMA JET SOURCE BY SEPARATE INJECTION OF N2 AND O2 GAS DIRECTLY IN THE DISCHARGE	oral presentation
Mr.	Andrei	B	NAZIRU	IFIN-HH / ELI-NP	Magurele	Romania	2	TEMPORAL DRIFT SUPPRESSION FOR THE FEMTOSECOND-LEVEL SYNCHRONIZATION OF TWO ULTRASHORT LASER PULSES FROM THE 1 PW OUTPUTS OF HPLS	oral presentation
Mr.	Dmitrii		NISTOR	IFIN-HH / ELI-NP	Magurele	Romania	2	BACK-REFLECTION ANALYSIS FOR SOLID TARGET EXPERIMENTS AT ELI-NP	oral presentation
Prof.	Zehra	N	OZER	Afyon Kocatepe University	Afyonkarah isar	Turkey	2	EFFECT OF ELECTRO DISTANCE ON (FEXOYNP) NANOPARTICLE SYNTHESIS BY SOLUTION PLASMA PROCESS	oral presentation
Prof.	Mehmet		OZKAN	Afyon Kocatepe University	Afyonkarah isar	Turkey	2	INACTIVATION EFFECT OF COLD ATMOSPHERIC PLASMA METHOD FOR STAPHYLOCOCCUS AUREUS IN DAIRY PRODUCTS	oral presentation
Dr.	Alina		VLADESCU (DRAGOMIR)	National Institute of Research and Development for	Magurele	Romania	2	ZRCUCA-BASED THIN FILMS METALLIC GLASSES DEPOSITED BY CATHODIC ARC DEPOSITION	oral presentation



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
				Optoelectronics - INOE 2000					
Dr.	Alexei		ZUBAREV	Extreme Light Infrastructure - Nuclear Physics (ELI-NP)	Magurele	Romania	2	PREPULSE INFLUENCE ON THE LASER-DRIVEN EXPERIMENTS ON NANOSTRUCTURED TARGETS	oral presentation
Mr.	Iamandi	M	ALEXANDRU	Institutul Național pentru Fizica Laserilor, Plasmei și Radiației, Universitatea Politehnica din Buc	Bucuresti	Romania	2	2D AND 3D SIMULATION OF LASER ABLATION OF GOLD AND SILVER TARGETS	poster
Dr.	Daniel		AVRAM	National Institute for Laser, Plasma and Radiation Physics	Bucharest-Magurele	Romania	2	TIME-RESOLVED UPCONVERSION EMISSION PROPERTIES IN TRANSITIONAL METAL AND LANTHANIDE CO-DOPED SYSTEMS	poster
Dr.	Mioara		BERCU	Department of Lasers, National Institute for Laser, Plasma, and Radiation Physics	Magurele	Romania	2	OUTDOOR AIR POLLUTANTS CONCENTRATIONS USING A LASER PHOTOACOUSTIC DETECTOR AND SIMPLIFIED NUMERICAL MODELING OF GAS POLLUTION REDUCTION IN URBAN CANYONS	poster
Mr.	Florin		BILEA	National Institute for Lasers, Plasma and Radiation Physics/ Faculty Of Chemistr	Magurele	Romania	2	DEGRADATION OF SULFAMETHOXAZOLE USING PULSED CORONA DISCHARGE	poster
Dr.	Ana-Maria		BRATU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	IDENTIFICATION OF IED PRECURSORS BY LASER PHOTOACOUSTIC SPECTROSCOPY	poster
Dr.	LIDIA	R	CONSTANTIN	National Institute of Research and Development for Optoelectronics - INOE 2000	Magurele	Romania	2	CRSICN PROTECTIVE COATINGS USED FOR INDUSTRIAL WOODWORKING APPLICATIONS	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Mr.	Rafael	G	CUCU	Faculty of Applied Science and Engineering, Ovidius University of Constanta	Constanta	Romania	2	SPACE CHARGE STRUCTURES ON GRIDDED COAXIAL CYLINDERS	poster
Dr.	Ioana		DINCA	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	NEW STRATEGY FOR DELIVERING PULSED X-RAY IRRADIATION FOR PRECLINICAL RADIOTHERAPY RESEARCH	poster
Dr.	Paul	P	DINCA	National Institute for Lasers, Plasma and Radiation Physics	Bucharest	Romania	2	STRUCTURE, MORPHOLOGY, AND DEUTERIUM RETENTION PROPERTIES OF BERYLLIUM LAYERS CO-DEPOSITED UNDER ITER RELEVANT PARAMETERS.	poster
Dr.	Cosmin		DOBREA	INFLPR	Magurele	Romania	2	COMPUTER TOMOGRAPHY SCANNING PROTOCOLS FOR HEALTH MONITORING OF EMBEDDED LI-ION BATTERIES	poster
Dr.	Florin		GAROI	National Institute for Laser, Plasma & Radiation Physics	Magurele	Romania	2	POLARIZATION-BASED LIGHT MEASUREMENT USING GEOMETRIC PHASE CONTROL AND FOURIER-TRANSFORM SPECTROSCOPY METHOD	poster
Ms.	Iulia	I	LUNGU	National Institute of Laser, Plasma and Radiation Physics	Magurele	Romania	2	IRON OXIDE NANOPARTICLES SYNTHESIZED BY LASER PYROLYSIS USING ETHYLIC ALCOHOL AS SENSITIZER AND THEIR BIOCOMPATIBILITY	poster
Dr.	George		MOGILDEA	Institute of Space Science-INFLPR	Bucharest	Romania	2	THE ASSESSMENT OF THE ATMOSPHERIC AIR BREAKDOWN VOLTAGE GENERATED BY THE INTERACTION BETWEEN MICROWAVES AND METALLIC WIRES	poster
Dr.	Anca	C	PARAU	National Institute of Research and Development for Optoelectronics - INOE 2000	Magurele	Romania	2	MG AND SI DOPED HYDROXYAPATITE DEPOSITED ON AZ31B ALLOY AS BIODEGRADABLE COATINGS	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Ms.	Ligia	M	POMARJANSCHI	University of Bucharest, Faculty of Physics	Bucharest	Romania	2	NUMERICAL SIMULATIONS OF NEOCLASSICAL TRAJECTORIES IN TOKAMAK PLASMAS	poster
Dr.	Cristina	M	POPA	National Institute for Laser Plasma and Radiation Physics	Magurele	Romania	2	ALFALFA SPROUTS RESPONSE TO CADMIUM STRESS USING IR LPAS	poster
Mr.	Evgheni		Goncearencu	National Institute for Lasers, Plasma and Radiation Physics	Magurele	Romania	2	TIO2/SNO2 NANOCOMPOSITES OBTAINED BY LASER PYROLYSIS TECHNIQUE- PROPERTIES AND APPLICATIONS	poster
Dr.	Adrian		SIMA	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	HIGH POWER X -RAY TOMOGRAPHY	poster
Mr.	Cornel		STAIKU	National Institute for Lasers, Plasma and Radiation Physics	Magurele	Romania	2	INVESTIGATION OF MECHANICAL PROPERTIES OF IRON-BORON MATERIALS OBTAINED BY TWO DEPOSITION METHODS	poster
Dr.	Cristian		STANCU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	TUNGSTEN MATERIAL EXPOSED IN LOW-TEMPERATURE H2, D2 OR HE PLASMA FOR FUSION " RELEVANT STUDIES	poster
Dr.	Daniel		STOICA	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	INFLUENCE OF H2 GAS FLOW RATE ON MAGNETRON SPUTTERING PLASMA PARAMETERS USED FOR W NANOPARTICLES DEPOSITION	poster
Prof.	Gholam	H	BORDBAR	Shiraz University	Shiraz	Iran	3	NUCLEAR MATTER CALCULATIONS BY INCLUSION OF THE THREE-BODY NUCLEAR POTENTIAL	invited
Dr.	Rares		SUVAILA	IFIN-HH	Magurele	Romania	3	A SEDIMENT REFERENCE MATERIAL DATABASE TO BE OBTAINED BY NUCLEAR METHODS	invited



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Nikolay		DJOURELOV	Extreme Light Infrastructure-Nuclear Physics (ELI-NP), "Horia Hulubei" National R&D Institute for Ph	Magurele	Romania	3	EXTRACTION OF SLOW POSITRONS FROM A MAGNETIC BOTTLE WITH HIGH MODERATION EFFICIENCY	oral presentation
Ms.	Ioana		DUMINICA	Particle Physics Department, IFIN-HH and Faculty of Physics, University of Bucharest	Bucharest	Romania	3	CHARACTERISATION OF THE COSMIC-RAY BACKGROUND IN THE ATLAS EXPERIMENT	oral presentation
Dr.	Ioan	I	IORGA	Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering	Bucharest	Romania	3	PRELIMINARY PROGRAM FOR DATA DIGITIZATION IN THE DECOMMISSIONING PROCESS OF THE COMBUSTIBLE RADIOACTIVE WASTE INCINERATOR	oral presentation
Ms.	Andreea	A	MIHAILESCU	University of Bucharest, Faculty of Physics, Doctoral School	BUCHAREST	Romania	3	CHARACTERIZING THE SMALL FIELD OUTPUT FACTORS BY USING THE "DAISY-CHAINING" METHOD	oral presentation
Mr.	Hammad		RASHEED	Particle Physics Department, IFIN-HH/ Faculty of Physics, University of Bucharest	Magurele	Bucharest	3	PHENOMENOLOGICAL MINIMAL SUPER SYMMETRY SCAN USING RUN 2 ATLAS SEARCHES (139 FB <sup>-1</sup> AT $\sqrt{s} = 13$ TEV)	oral presentation
Dr.	Hafez		TAGHIPOUR ASLANI	University of Sistan and Baluchestan, Zahedan	Tehran	Iran	3	DIFFERENTIAL CROSS SECTIONS MEASUREMENT OF $^{10}\text{B}(p,p^{*}n)^{10}\text{B}$ AND $^{11}\text{B}(p,p^{*}n)^{11}\text{B}$ REACTIONS FOR ANALYTICAL APPLICATIONS	oral presentation
Mr.	Sulman		YOUNAS	Horia Hulubei National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	PERFORMANCES OF ELECTRON RECONSTRUCTION AND IDENTIFICATION IN RUN 2 AND RUN 3 OF THE ATLAS EXPERIMENT	oral presentation
Mr.	Valentin		FILIP	Horia Hulubei National Institute for R&D in	Magurele	Romania	3	DIRECT MEASUREMENTS OF RADON ACTIVITY IN WATER FROM VARIOUS NATURAL SOURCES IN BAITA BIHOR AREA	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
				Physics and Nuclear Engineering					
Ms.	Laura	A	IONASCU	Horia Hulubei National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	INVESTIGATION OF GRAPHITE EMBEDDING IN CEMENT BASED MATRIX BY X-RAY DIFFRACTION AT DIFFERENT PERIOD OF TIME	poster
Mr.	Alexandru Florin	F	IONESCU	Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering	Bucharest	Romania	3	DIGITIZATION AND VECTORIZATION OF THE DOCUMENTATION RELATED TO THE COMBUSTIBLE RADIOACTIVE WASTE INCINERATOR	poster
Ms.	Mihaela	I	NICU	Horia Hulubei National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	MECHANICAL BEHAVIOR IN TIME OF GRAPHITE IMMOBILIZED IN CEMENT BASED MATRIX	poster
Dr.	Bogdan	T	OBREJA	National Institute for Research and Development in Physics and Nuclear Engineering "Horia Hulubei"	Magurele	Romania	3	INDOOR AND OUTDOOR RADON MEASUREMENTS IN BAITA BIHOR REPOSITORY AREA	poster
Mr.	Antonio	A	SOFRON	Horia Hulubei National Institute for Physics and Nuclear Engineering (IFIN-HH)	Magurele	Romania	3	NATURAL RADIOACTIVITY IN AGRICULTURAL PRODUCTS	poster
Prof.	Stefan	I	ANTOHE	University of Bucharest, Faculty of Physics	Magurele	Romania	4	ON THE PHYSICAL AND PHOTO-ELECTRICAL PROPERTIES OF ORGANIC PHOTOVOLTAIC CELLS BASED ON POLYMERIC-SMALL MOLECULES	invited
Prof.	Camelia		BALA	University of Bucharest	Bucharest	Romania	4	INTERFACE DESIGN FOR IMPROVEMENT OF BIOSENSORS PERFORMANCE	invited
Prof.	Daniela		BERGER	University "Politehnica" of Bucharest	Bucharest	Romania	4	COMPOSITE MATERIALS BASED ON FUNCTIONALIZED MESOPOROUS SILICA WITH BIOMEDICAL APPLICATIONS	invited



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Adrian		DINESCU	IMT Bucharest	Voluntari	Romania	4	FIELD EMISSION SCANNING ELECTRON MICROSCOPY FOR NANO-SCALE FABRICATION	invited
Prof.	Marilena		FERBINTEANU	University of Bucharest, Faculty of Chemistry	Bucharest	Romania	4	STRUCTURE-PROPERTY CORRELATIONS IN THE CHEMISTRY AND SPECTROSCOPY OF LANTHANIDE COMPOUNDS	invited
Dr.	Mihaela		FLOREA	Nationala Institute of Materials Physics		Romania	4	REVEALING THE CATALYTIC FEATURES OF MAX PHASES AND MXENES	invited
Prof.	Gabriel		MURARIU	Faculty of Sciences and Environment, Univ. "Dunarea de Jos" of Galati	Galati	Romania	4	A PREDICTIVE MODEL FOR STEADY-STATE OZONE CONCENTRATION IN THE SOUTH EAST AREA OF EUROPE	invited
Prof.	Vasile	I	PARVULESCU	University of Bucharest		Romania	4	2D-MOFS MATERIALS- STRUCTURE, ELECTRONIC PROPERTIES AND CATALYTIC BEHAVIOR	invited
Ms.	Alexandra		NICOLAE-MARANCIUC	Institute for Interdisciplinary Studies and Research, Lucian Blaga University of Sibiu	Sibiu	Romania	4	A DIMENSIONAL AND STRUCTURAL CHARACTERIZATION OF AG-NPS	oral presentation
Ms.	Gizem		OZTURK	Istanbul University	Istanbul	Turkiye	4	AN OVERVIEW OF MONTE CARLO SIMULATIONS RADIATION SHIELDING STUDIES FOR NUCLEAR AND MEDICAL PHYSICS: MCNPX EXPERIENCE	oral presentation
Dr.	Denis	M	PANAITESCU	National Institute for Research & Development in Chemistry and Petrochemistry	Bucharest	Romania	4	MODIFICATION OF THE SURFACE PROPERTIES OF BIOPOLYMERS BLENDS BY COLD PLASMA TREATMENT	oral presentation
Ms.	Ramona		PLESNICUTE	Alexandru Ioan Cuza University	Iasi	Romania	4	STUDY ON THE UV RADIATION ROLE IN THE SYNTHESIS OF SILVER NANOPARTICLES BY	oral presentation



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
								CONVENTIONAL AND ECO-FRIENDLY METHOD	
Dr.	Mina		RAILEANU	Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering	Magurele	Romania	4	CATIONIC PEPTIDES AND PROTON THERAPY	oral presentation
Dr.	Marius		BELC	"Ovidius" University of Constanta	Constanta	Romania	4	DOBRUDJA ON THE BORDER BETWEEN MILLENNIA. BYZANTINE CERAMICS AS A WITNESS OF REGIONAL DEVELOPMENT	poster
Dr.	Maria	C	BUTA	Institute of Physical Chemistry	Bucharest	Romania	4	MODELING THE ACTIVITY OF CYTOCHROME P450-NO REDUCTASE	poster
Prof.	Dan		CHICEA	Lucian Blaga University of Sibiu	Sibiu	Romania	4	AN AFM STUDY OF HUMAN SERUM ALBUMIN	poster
Mrs.	Monica	L	CONDREA	High School Mihai Eminescu	Constanta	Romania	4	STUDIES ON THE INFLUENCE OF THE MAGNETIC WATER ON THE HEALTH	poster
Prof.	Catalina		ITICESCU	Univ. "Dunarea de Jos" of Galati	Galati	Romania	4	COMPARISON BETWEEN CONTROL METHODS FOR A MINIMUM COST IN THE CASE OF BSM2 TYPE SYSTEMS	poster
Dr.	Mihaela		MARIS	„Dunarea de Jos,, University of Medicine	Bucuresti	Romania	4	SURFACE TREATMENTS OF TITANIUM IMPLANTS FOR OSSEOINTEGRATION IN TYPE 2 DIABETES MELLITUS	poster
Dr.	Ana	M	TOADER	Institute of Physical Chemistry	Bucharest	Romania	4	ASSESSING QUANTUM CALCULATION METHODS FOR LIGAND FIELD AND SPECTROSCOPY OF LANTHANIDE COORDINATION COMPOUNDS	poster
Prof.	Gheorghe		BREZEANU	University Politehnica of Bucharest	Bucharest	Romania	5	SiC SCHOTTKY CONTACTS WITH THE IDEALITY FACTOR CLOSE TO UNITY - THE BEST TEMPERATURE SENSING DIODE	invited





Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Dr.	Florin		BRINZA	Faculty of Physics, Alexandru Ioan Cuza University of Iasi	Iasi	Romania	5	SOLAR CELL TESTING METHODS: FROM MICRO TO MACROSCALE	invited
Dr.	Sorin		MELINTE	ICTEAM, Université catholique de Louvain	Louvain-la- Neuve	Belgium	5	SILICON NANOMATERIALS: LIFE CYCLE ANALYSIS FOR BEGINNERS	invited
Dr.	Iulia		ANTOHE	National Institute for Laser, Plasma & Radiation Physics (INFLPR)	Magurele	Romania	5	DEVELOPMENT OF A FIBER OPTIC SURFACE PLASMON RESONANCE (FO-SPR) SENSOR FOR FOOD AND ENVIRONMENTAL MONITORING	oral presentation
Mr.	Cezar		COMANESCU	National Institute of Materials Physics	Bucharest	Romania	5	FUNCTIONALIZED MOFS FOR ENERGY STORAGE AND ENVIRONMENT REMEDATION	oral presentation
Mr.	Florin	I	CONSTANTIN	Institute of Space Science	Bucharest	Romania	5	ADVANCEMENTS IN MONITORING AND FORECASTING THE TOTAL ELECTRON CONTENT OVER ROMANIA	oral presentation
Dr.	Dan		ENACHE	National Institute for Research and Development in Electrical Engineering ICPE-CA	Bucharest	Romania	5	DESIGN OF AN INDUCTIVE SHIELDED SUPERCONDUCTING FAULT CURRENT LIMITER	oral presentation
Ms.	Georgiana		SIMIONESCU	Institute of Space Science, Faculty of Physics, University of Bucharest	Bucuresti	Romania	5	CONSTELATION ACQUISITION SENSOR SPOT CENTROIDING	oral presentation
Dr.	Monica		VASILE	Medical School, Ovidius University of Constanta	Constant	Romania	5	AIR PARTICLE DETECTION MATHEMATICAL MODEL METHOD BASED ON A CARBON NANOTUBE SENSOR	oral presentation
Ms.	Andreea	L	BANICA	Valahia University of Targoviste, Institute of Multidisciplinary Research for Science and Technology	Targoviste	Romania	5	HUMAN HEALTH RISKS GENERATED BY TOXIC METAL ACCUMULATION IN EDIBLE MUSHROOMS	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Ms.	Raluca	M	BUCUR (POPA)	University Politehnica of Bucharest, Doctoral School of Chemical Engineering and Biotechnologies, Bu	Bucharest	Romania	5	EXTRACTION OF MICROPLASTICS FROM DERMATO-COSMETIC PRODUCTS	poster
Dr.	Alina		CISMARU	National Institute for Research and Development in Microtechnologies - IMT Bucharest	Bucharest	Romania	5	METAMATERIAL-BASED ANTENNAS FUNCTIONALIZED WITH CARBON NANOTUBES FOR GAS SENSING APPLICATIONS	poster
Dr.	Costel	S	COTIRLAN-SIMIONIUC	National Institute for Materials Physics	Magurele	Romania	5	TRANSPARENT OPTOELECTRONIC COMPONENTS BASED ON METASURFACES	poster
Dr.	Mihail		DIACONESCU	National Institute of Earth Physics	Magurele	Romania	5	THE FEBRUARY 2023 SEISMIC SEQUENCE FROM NORTH WESTERN PART OF TG. JIU (ROMANIA)	poster
Dr.	Laurentiu	F	MARIN	National Institute for Research and Development in Chemistry and Petrochemistry - ICECHIM Bucharest	Bucharest	Romania	5	THERMAL GRAVIMETRIC ANALYSIS (TGA) USED TO IDENTIFY THE MORPHOLOGY OF THE GRAPHITE FILMS DEPOSITED ON METAL SURFACE BY ELECTRICAL DISCHARGE IN IMPULSE USING PYROLYTHIC GRAPHITE CATHODE	poster
Mr.	Virgil	E	MARINESCU	INC DIE ICPE-CA	Bucharest	Romania	5	STUDY OF INFLUENCE FOR THERMAL ASH ADDITION ON THE STRUCTURAL, MECHANICAL, AND THERMAL CHARACTERISTICS OF CONCRETE AND MORTARS	poster
Dr.	Gheorghe		MATEESCU	"Horia Hulubei" National Institute for Physics and Nuclear Engineering (IFIN-HH)	Magurele	Romania	5	FUNCTIONALIZED SURFACES OF TiO <sub>2</sub> NANOTUBES/ GRAPHENE-BASED NANOMATERIALS AND METALIC NANOPARTICLES FOR THE TREATMENT OF EMERGING ORGANIC POLLUTANTS	poster



Ministry of Education  
Ovidius University of Constanta

Address: Bvd. Mamaia 124, Constanta, 900527, Romania  
Tel.: +40 241 606 467, Fax: +40 241 606 407 E-mail: [fcetp@univ-ovidius.ro](mailto:fcetp@univ-ovidius.ro), Web: [www.univ-ovidius.ro](http://www.univ-ovidius.ro)



Title	First name	M.I.	Family name	Affiliation	City	Country	Section	Abstract title	Presentation type
Ms.	Diana	L	PATA	Alexandru Ioan Cuza University of Iasi	Iasi	Romania	5	SCANNING METHOD FOR DEFECT MAPPING OF P-N JUNCTIONS USED AS SOLAR CELLS	poster
Mr.	Andrei	C	STOCHIOIU	National Institute for Lasers, Plasma and Radiation Physics	Magurele	Romania	5	TOWARDS A SENSITIVE AND SPECIFIC DUAL POLYMER BASED HYDROGEN GAS SENSOR	poster
Dr.	Violeta	V	TSAKIRIS	INCDIE ICPE-CA	Bucharest	Romania	5	EXTRUDED ALUMINIUM-BASED COMPOSITE PIPES REINFORCED WITH ALUMINA NANOPARTICLES	poster
Dr.	Silviu		VULPE	National Institute for Research and Development in Microtechnologies -IMT	Bucharest	Romania	5	THE INFLUENCE OF THE THICKNESS OF THE FERROELECTRIC MATERIALS IN THE METAL-FERROELECTRIC-METAL STRUCTURES ON THE ELECTRICAL PROPERTIES	poster
Dr.	Jeanina		LUNGU	Ovidius University of Constanta/Academy of Romanian Scientists	Constanța	Romania	6	DESIGNING AN ASSESSMENT FOR EXPERIENTIAL LEARNING. CURRICULUM CASE STUDY ON A DISCIPLINE IN THE FIELD OF APPLIED ENGINEERING SCIENCES	poster
Dr.	Bianca	V	VANDACHEVICI (IBADULA)	Ovidius University Constanța/Mihai Eminescu National College	Constanța	Romania	6	EMOTIONAL INTELLIGENCE AND ONLINE ASSESSMENT IMPLEMENTATIONS IN THE ACTIVE LEARNING PROCESS OF MIHAI EMINESCU'S POETRY	poster



### Topics

1. Materials Physics
2. Laser, Plasma and Radiation Physics and Applications
3. Nuclear and sub-Nuclear Physics and Applications
4. Cross-disciplinary Applications of Physics
5. Engineering and Industrial Physics
6. Physics Education Research

Workshop Chairman

**Florin Moscalu, Ph.D.**

Chair, Department of Physics and Electronics  
Ovidius University of Constanta

