



ACCEPTED ABSTRACTS

18th International Balkan Workshop on Applied Physics and Materials Science 10-13 July 2018 Constanta, ROMANIA

No	Conference	Title	First Name	Surname	Affiliation	City	Country	Section	Abstract Title	Presentation Type
1	IBWAP 2018	Dr	Lucian	PINTILIE	National Institute of Materials Physics	Magurele-Ilfov	Romania		RECENT DEVELOPMENTS IN THE FIELD OF EPITAXIAL FERROELECTRICS	plenary presentation
2	IBWAP 2018	Prof	Kazuo	TANAKA	Extreme Light Infrastructure-Nuclear Physics	Bucharest	Romania		WHERE DOES ELI-NP STAND?	plenary presentation
3	IBWAP 2018	Prof	Roman	SCHRITTWIESER	Institute for Ion Physics and Applied Physics, University of Innsbruck	Innsbruck	Austria		PLASMA PROBES FOR TRANSPORT MEASUREMENTS IN MAGNETIZED FUSION EXPERIMENTS	plenary presentation
4	IBWAP 2018	Dr	Fabien	BENEDIC	LSPM-CNRS	Villetaneuse	France	1	LOW TEMPERATURE/LARGE AREA NANOCRYSTALLINE DIAMOND FILM SYNTHESIS IN DISTRIBUTED ANTENNA ARRAY MICROWAVE PLASMA SYSTEM	invited presentation
5	IBWAP 2018	Ptof	Hossein	BORDBAR	Shiraz University / University of Waterloo	Shiraz / Waterloo	Iran / Canada	1	LIQUID PHASE OF 3HE ON A CORRUGATED GRAPHENE	Invited presentation
6	IBWAP 2018	Prof	Emil	BURZO	Romanian Academy Cluj-Napoca Branch and Faculty of Physics, Babes-Bolyai University	Cluj-Napoca	Romania	1	ON THE MAGNETIC BEHAVIOUR OF IRON AND COBALT IN RARE EARTH COMPOUNDS	Invited presentation
7	IBWAP 2018	Prof	Victor	CIUPINA	Ovidius University of Constanta	Constanta	Romania	1	NANOSTRUCTURED CARBON-TITANIUM MULTILAYER FILMS OBTAINED BY THERMIONIC VACUUM ARC METHOD	Invited presentation



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8	IBWAP 2018	Dr	Ionut	ENCULESCU	Natioanal Institute of Materials Physics	Magurele	Romania	1	SENSORS AND ACTUATORS: FROM FUNCTIONAL NANOSTRUCTURES TO NOVEL ARCHITECTURE DEVICES	invited presentation
9	IBWAP 2018	Dr	Sergey	KICHANOV	Joint Institute for Nuclear Research	Dubna	Russian Federation	1	THE NEUTRON RADIOGRAPHY AND TOMOGRAPHY METHOD ON IBR-2 REACTOR: OPPORTUNITIES, ACHIEVEMENTS AND PROS	invited presentation
10	IBWAP 2018	Dr	Silviu	POLOSAN	National Institute of Materials Physics	Magurele	Romania	1	EFFICIENCY ENHANCEMENT OF IRIIDIUM-BASED ORGANOMETALLIC LIGHT EMITTING DIODES	invited presentation
11	IBWAP 2018	Dr	Mariana	BRAIC	National Institute for Optoelectronics	Magurele, Ilfov County	Romania	2	MULTIFUNCTIONAL TRANSITION METAL CARBONITRIDE COATINGS	invited presentation
12	IBWAP 2018	Dr	Vilma	BURSIKOVA	Masaryk University	Brno	Czech Republic	2	NANOMECHANICAL TESTING OF MOBC AND WBC COATINGS PREPARED USING MAGNETRON SPUTTERING	invited presentation
13	IBWAP 2018	Dr	Samir	FARHAT	LSPM-CNRS	Villetaneuse	France	2	PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION OF GRAPHENE	invited presentation
14	IBWAP 2018	Dr	Pavel	KUDRNA	Charles University	Praha	Czech Republic	2	PLASMA PARAMETERS IN DIAGNOSTIC GAS AGGREGATION NANOCUSTER SOURCE	invited presentation
15	IBWAP 2018	Dr	Cristian P	LUNGU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	MICROWAVE VAPORIZATION AND IONIZATION OF THE METAL WIRES WITH LOW ELECTRICAL CONDUCTIVITY	invited presentation
16	IBWAP 2018	Dr	Corneliu	POROSNICU	National Institute for Lasers, Plasma and Radiation Physics	Magurele	Romania	2	CHARACTERIZATION OF W-AL CO-SPUTTERED MATERIAL IN A HIPIMS PLASMA OPERATED IN AR-HE AND AR-D2	invited presentation



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17	IBWAP 2018	Prof	Branko	SKORIC	Center for Surface Engineering and Nanotechnology, University of Novi Sad	Novi Sad	Serbia	2	PREPARATION, CHARACTERIZATION AND PERFORMANCE OF DUPLEX, NANOCOMPOSITE AND NANOLAYERED THIN FILMS	invited presentation
18	IBWAP 2018	Prof	Milan	TICHY	Charles University, Institute of Physics, Academy of Sciences	Prague	Czech Republic	2	FLOATING HARMONIC PROBE DIAGNOSTICS IN DC CONTINUOUS AND PULSED REGIMES	invited presentation
19	IBWAP 2018	Prof	Rodica	VLADOIU	Ovidius University of Constanta	Constanta	Romania	2	Synthesis and characterization of the thin films based on titanium by Laser Thermionic Vacuum Arc (LTVA) method	Invited presentation
20	IBWAP 2018	Dr	Sergey	KOZHEVNIKOV	Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research	Dubna	Russia	3	INVESTIGATIONS OF MAGNETIC NANOSTRUCTURES USING NEUTRON PLANAR WAVEGUIDES	invited presentation
21	IBWAP 2018	Dr	Nicolae	MARGINEAN	"Horia Hulubei" National Institute for Physics and Nuclear Engineering	Bucharest-Magurele	Romania	3	NUCLEAR PHYSICS AT THE TANDEM LABORATORY OF IFIN-HH	invited presentation
22	IBWAP 2018	Dr	Raluca	MARGINEAN	"Horia Hulubei" National Institute for Physics and Nuclear Engineering	Bucharest-Magurele	Romania	3	TOWARDS A DEDICATED NUCLEAR FORENSICS LABORATORY IN ROMANIA	invited presentation
23	IBWAP 2018	Dr	Rares	SUVAILA	"Horia Hulubei" National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	ENTANGLED GAMMA PHOTONS	invited presentation
24	IBWAP 2018	Prof	Birgani	TAHMASEBI	Ahvaz Jundishapur University of Medical Sciences	Ahvaz	Iran	3	THE COMBINATION OF WEDGE FIELDS FOR DETERMINING AN ARBITRARY EFFECTIVE WEDGE ANGLES, IS NOVEL STRATEGY IN RADIOTHERAPY	invited presentation
25	IBWAP 2018	Dr	Calin A	UR	ELI-NP / IFIN-HH	Magurele	Romania	3	APPLIED PHYSICS STUDIES AT ELI-NP	invited presentation



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26	IBWAP 2018	Dr	Maria	BALASOIU	Joint Institute for Nuclear Research	Dubna	Russian Federation	4	NEUTRON SCATTERING METHODS APPLIED TO THE MAGNETIC AND MAGNETORHEOLOGICAL ELASTOMER STRUCTURE INVESTIGATION	invited presentation
27	IBWAP 2018	Dr	Claudia	CHILOM	Univ of Bucharest, Faculty of Physics	Bucharest	Romania	4	BIO-MOLECULAR INTERACTIONS: SPECTROSCOPIC CONCEPTS AND APPLICATIONS	invited presentation
28	IBWAP 2018	Prof	Marilena	FERBINTEANU	University of Bucharest	Bucharest	Romania	4	METAMAGNETIC BEHAVIOUR IN MN(III) 1D COMPLEXES	invited presentation
29	IBWAP 2018	Prof	Vasily	LEBEDEV	Joint Institute of Nuclear Research	Dubna	Russia	4	HYBRID CARBON AND METAL-CARBON STRUCTURES BY NEUTRON AND X-RAY SCATTERING	invited presentation
30	IBWAP 2018	Dr	Dana	NICULAE	Horia Hulubei National Institute for Physics and Nuclear Engineering	Bucharest	Romania	4	AN EMERGING MEDICAL RADIOISOTOPE CU-64: FROM PRODUCTION TO CLINICAL APPLICATION	invited presentation
31	IBWAP 2018	Dr	Dmitry	NIKOLAYEV	Joint Institute for Nuclear Research	Dubna	Russia	4	COMPLEX ANALYSIS OF THE BIVALVIA MOLLUSCS SHELLS BY MEANS OF PHYSICAL TECHNIQUES	invited presentation
32	IBWAP 2018	Prof	Jocelyn	ACHARD	CNRS-LSPM	Villetaneuse	France	5	ENGINEERING CVD DIAMOND SINGLE CRYSTALS SYNTHESIZED BY MICROWAVE PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION FOR NV CENTRE APPLICATIONS	invited presentation
33	IBWAP 2018	Prof	Ioan	ANDRICIOAEI	University of California, Irvine, USA	Irvine, CA	USA	5	METHODS FOR THE ENHANCED SAMPLING OF (i) LONG-TIME KINETICS AND (ii) LARGE-SCALE DYNAMICS OF BIOMOLECULES	Invited presentation



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34	IBWAP 2018	Dr	Ovidiu	BRINZA	CNRS-LSPM	Villetaneuse	France	5	HETEROEPITAXIAL CVD DIAMOND ON MONOCRYSTALLINE IRIIDIUM BUFFER LAYER: HRTEM ANALYSIS OF INTERFACES	invited presentation
35	IBWAP 2018	Dr	Adrian	DINESCU	IMT	Bucharest	Romania	5	GRAPHENE BASED DEVICES FABRICATED USING ELECTRON BEAM LITHOGRAPHY	invited presentation
36	IBWAP 2018	Prof	Mircea	DRAGOMAN	Research Centre for Integrated Systems Nanotechnologies and Carbon Based Nanomaterials (CENASIC) - I	Bucharest	Romania	5	ATOMICALLY THIN 1 AND DEVICES: FROM FLAKES PEELED WITH A SCOTCH TAPE UP TO 4 INCH WAFERS	invited presentation
37	IBWAP 2018	Prof	Ion	POPESCU	Academy of Romanian Scientist, Bucharest, Romania	Targoviste	Romania	5	STUDY OF ENVIRONMENTAL POLLUTION WITH HEAVY METALS USING THE ICP-MS AND PIXE ANALYSIS SPECTROMETRIC TECHNIQUES	invited presentation
38	IBWAP 2018	Dr	Diana	BENEA	Babes-Bolyai University	Cluj-Napoca	Romania	1	NEAR COMPENSATED FERRIMAGNETISM IN THE HALF-METALLIC MN-CO-V-AL HEUSLER ALLOYS	oral presentation
39	IBWAP 2018	Dr	Cezar	COMANESCU	National Institute of Materials Physics	Magurele	Romania	1	MESOPOROUS COBALT FERRITE NANOPARTICULATE SYSTEMS: SYNTHESIS, MAGNETIC AND CATALYTIC PROPERTIES	oral presentation
40	IBWAP 2018	Ms	Marina	CUZMINSCHI	Department of Theoretical Physics, IFIN-HH, Romania	Magurele	Romania	1	CHAOS IN SYSTEMS OF HIGHLY DISSIPATIVE COUPLED JOSEPHSON JUNCTIONS	oral presentation
41	IBWAP 2018	Dr	Aleksandr	DOROSHKEVICH	Joint Institute for Nuclear Research/ Donetsk Institute for Physics and Engineering	Dubna/Kyiv	Russia/Ukraine	1	EFFECT OF WATER ADSORPTION ENERGY TO ELECTRICITY CONVERSION IN THE YSZ - NANOPOWDER SYSTEMS	oral presentation



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42	IBWAP 2018	Dr	Monica	ENCULESCU	National Institute of Materials Physics	Magurele	Romania	1	DYE-DOPED POLYMER NANOFIBERS FABRICATED BY ELECTROSPINNING TECHNIQUE	oral presentation
43	IBWAP 2018	Dr	Aurelian C	GALCA	National Institute of Materials Physics	Magurele	Romania	1	PHYSICAL PROPERTIES OF OPTIMIZED AMORPHOUS GE-TE ALLOY THIN FILMS FOR MEMORY APPLICATIONS	oral presentation
44	IBWAP 2018	Prof	Ion	GROSU	Babes-Bolyai University	Cluj-Napoca	Romania	1	SELF ASSEMBLY PROSESSES AND THEIR APPLICATIONS IN THE FIELD OF ORGANIC SOLAR CELLS	oral presentation
45	IBWAP 2018	Dr	Laura	HROSTEA	Alexandru Ioan Cuza University of Iasi	Iasi	Romania	1	MEASUREMENT OF OPTICAL CONSTANTS IN P3HT AND P3HT:PCBM THIN FILMS BY SPECTROPHOTOMETRY AND SPECTROSCOPIC ELLIPSOMETRY	oral presentation
46	IBWAP 2018	Prof	Anca-Luiza	IONESCU	Univesry "Politehnica" Bucharest	Bucuresti	Romania	1	ROLE OF INTERFACE LAYER IN ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY OF IONIC ELECTROLYTES IN CELLS WITH DIFFERENT THICKNESSES	oral presentation
47	IBWAP 2018	Dr	Alexandru	IORGA	INCDIE ICPE-CA	Bucuresti	Romania	1	FERROMAGNETIC MICROWIRES WITH LOW CURIE TEMPERATURE FOR SENSOR APPLICATIONS	oral presentation
48	IBWAP 2018	Mr	Evgenii	LUKIN	Joint Institute for Nuclear Research	Dudna	Russia	1	HIGH-PRESSURE NEUTRON DIFFRACTION FACILITIES ON IBR-2 REACTOR	oral presentation
49	IBWAP 2018	Prof	Pascu	MOCA	Universitatea Oradea	Oradea	Romania	1	NOISE OF A CHARGELESS FERMI LIQUID	oral presentation
50	IBWAP 2018	Dr	George	NEMNES	Horia Hulubei National Institute for Physics and Nuclear Engineering	Magurele-Ilfov	Romania	1	MEASUREMENT PROTOCOLS AND DYNAMIC J-V CHARACTERISTICS OF PEROVSKITE SOLAR CELLS: THEORY A	oral presentation



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51	IBWAP 2018	Ms	Andreea	NILA	National Institute of Materials Physics	Magurele-Bucharest	Romania	1	OPTICAL PROPERTIES OF TiO ₂ IN DOPED STATE: THE INFLUENCE OF THE SiO ₂ AND SILVER NANOPARTICLES	oral presentation
52	IBWAP 2018	Prof	Khalid	NOUNEH	Laboratory of Physics of Condensed Matter (LPMC), Department of Physics, Faculty of Science, Univers	Kenitra	Morocco	1	LOW COST THIN FILMS TECHNOLOGY OF EARTH ABUNDANT ELEMENTS FOR ENERGY AND ENVIRONMENT	oral presentation
53	IBWAP 2018	Dr	Osman M	OZKENDIR	Mersin University	Mersin	Turkey	1	DETERMINATION OF THE ATOMIC COORDINATIONS OF THE SUBSTITUTED LIGHT ATOMS IN MATERIALS	oral presentation
54	IBWAP 2018	Dr	Catalin	PALADE	National Institute of Materials Physics	Magurele	Romania	1	PHYSICAL PARAMETERS OF TRILAYER STRUCTURES IN FG MEMORY BASED ON Ge NCs	oral presentation
55	IBWAP 2018	Dr	Ovidiu	PANA	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	INTERPLAY BETWEEN MAGNETIC PROPERTIES AND PHOTOCATALYTIC RESPONSE IN Fe ₃ O ₄ -OXIDE SEMICONDUCTOR NANOC	oral presentation
56	IBWAP 2018	Dr	Vitalii	TURCHENKO	Joint Institute for Nuclear Research	Dubna	Russia	1	THE CRYSTAL AND MAGNETIC STRUCTURES OF BaFe ₁₂ X ₂ O ₁₉ (X = O, 1 Å€ 1, 2) WITH DUAL FERROIC PROPERTIES	oral presentation
57	IBWAP 2018	Ms	Dina	YAKUSHEVA	Institute of Technical Chemistry	Perm	Russia	1	BEHAVIOR OF MAGNETIC FLUIDS IN PRESENCE OF FUNCTIONAL ORGANIC COMPOUNDS	oral presentation
58	IBWAP 2018	Mr	Mohamed Y	ZAKI	Ibn Tofail University	Kenitra	Morocco	1	INFLUENCE OF THE CONCENTRATION OF BORIC ACID ON THE PROPERTIES OF ELECTRODEPOSITED CZTS THIN FILMS	oral presentation



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59	IBWAP 2018	Mr	Vladimir	ZHAKETOV	Joint Institute for Nuclear Research	Dubna	Russia	1	INVESTIGATION OF SUPERCONDUCTING-FERROMAGNETIC V/FEV/NB AND NB/CUNI LAYERED NANOHETEROSTRUCTURES BY TIME-OF-FLIGHT POLARIZED NEUTRON REFLECTOMETRY	oral presentation
60	IBWAP 2018	Mr	Alexei	ZUBAREV	University of Bucharest, Faculty of Physics	Magurele	Romania	1	SYNTHESIS OF LAYERED HIGH TC SUPERCONDUCTORS VIA SOL-GEL METHOD	oral presentation
61	IBWAP 2018	Dr	Tomy	ACSENTE	INFLPR	Magurele	Romania	2	MAGNETRON SPUTTERING COMBINED WITH GAS AGGREGATION FOR SYNTHESIS OF TUNGSTEN NANOPARTICLES	oral presentation
62	IBWAP 2018	Ms	Veronica	CHIRIAC	Alexandru Ioan Cuza University of Iasi	Iasi	Romania	2	COPOLYMERIZATIONS IN ATMOSPHERIC PRESSURE PLASMA REACTOR	oral presentation
63	IBWAP 2018	Mr	Ravi	GUPTA	Delhi Technological University	Delhi	India	2	PRESSURE CONTROLLED GROWTH OF CARBON NANOFIBERS IN PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION SYSTEM	oral presentation
64	IBWAP 2018	Mr	Cristian	IORGA	National Institute for Laser Plasma and Radiation Physics	Magurele	Romania	2	A STUDY ON THE LINEAR POLARIZATION OF THE $K_{I\pm}$ LINES EMITTED FROM AUTOIONIZATION STATES BELONGING TO HIGHLY CHARGED LI-LIKE IONS	oral presentation
65	IBWAP 2018	Mr	Dragos	PALADE	INFLPR; Faculty of Physics, University of Bucharest	Magurele	Romania	2	TIME-DEPENDENT ORBITAL-FREE DENSITY FUNCTIONAL THEORY FOR THE FERMIONIC GAS	oral presentation
66	IBWAP 2018	Dr	Catalin	TICOS	National Institute of Research and Development for Lasers, Plasma and Radiation Physics	Magurele	Romania	2	TURBULENT CHARGED MICROPARTICLE FLOW INDUCED BY DRAG FORCE OF AN ELECTRON BEAM	oral presentation



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67	IBWAP 2018	Dr	Amin	ATTARZADEH	Institute for Higher Education ACECR	Khouzestan	Iran	3	CALCULATION OF ENERGY LEVEL, B(E2) AND G-FACTOR VALUES OF EVEN- EVEN ISOTOPES OF SULFUR USING NUSHELLX@MSU	oral presentation
68	IBWAP 2018	Ms	Ana	CHIRIACESCU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	IRRADIATION SETUP FOR PROTON RADIOBIOLOGY WITH A PET CYCLOTRON	oral presentation
69	IBWAP 2018		Marin	DINCA	Institute for Nuclear Research	Mioveni	Romania	3	FLASH DYNAMIC INVESTIGATION BY NEUTRON AND GAMMA IMAGING	oral presentation
70	IBWAP 2018	Dr	Ion B	LUNGU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	3	STUDIES ON GAMMA IRRADIATED PARCHMENT	oral presentation
71	IBWAP 2018	Dr	Laura	RADULESCU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	3	INTEGRATION OF THE HPD DETECTORS IN THE MCBM EXPERIMENT USING CAD	oral presentation
72	IBWAP 2018	Prof	I	SILISTEANU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	SYSTEMATICS OF ALPHA-DECAY HALF-LIVES OF SUPER-HEAVY NUCLEI NEAR DOUBLE SHELL CLOSURES	oral presentation
73	IBWAP 2018	Dr	Ancuta	TENTER	Babes-Bolyai University	Cluj-Napoca	Romania	3	MEASUREMENTS OF RADON IN SOIL, WATER AND INDOOR AIR IN SIBIU COUNTY (ROMANIA)	oral presentation
74	IBWAP 2018	Prof	Marcela	BARBINTA-PATRASCU	University of Bucharest, Faculty of Physics	Bucharest	Romania	4	HYBRIDS BASED ON GARDEN HERBS, SILVER AND PECTIN	oral presentation
75	IBWAP 2018	Prof	Gabriel	CARUNTU	Central Michigan University	Mount Pleasant	United States	4	MONODISPERSE PEROVSKITE COLLOIDAL NANOCRYSTALS FOR APPLICATIONS IN ENERGY STORAGE AND FLEXIBLE ELECT	oral presentation



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76	IBWAP 2018	Dr	Liviu	CRACIUN	Horia Hulubei National Institute for Physics and Nuclear Engineering (IFIN HH)	Magurele	Romania	4	PRODUCTION OF IN-TARGET $^{11}\text{C}[\text{CO}_2]$ ON A SPECIFIC ACTIVITY OPTIMIZED CONICAL LONG GAS TARGET	oral presentation
77	IBWAP 2018	Prof	Dorina	CREANGA	Alexandru Ioan Cuza University, Physics Faculty	Iasi	Romania	4	THEORETICAL MODELING AND EXPERIMENTAL STUDY ON CHLORTETRACYCLINE INTERACTION WITH VECTOR MOLECULES	oral presentation
78	IBWAP 2018	Dr	Alexey V	PAKHNEVICH	Borissiak Paleontological Institute of RAS	Moscow	Russia	4	THE IMPACT OF TOMOGRAPHIC RESEARCH IN PALEONTOLOGY	oral presentation
79	IBWAP 2018	Ms	Ioana	POROSNICU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	4	CHARACTERIZATION OF GOLD NANOPARTICLES AS CONTRAST AGENT FOR X-RAY COMPUTED TOMOGRAPHY	oral presentation
80	IBWAP 2018	Ms	Camelia	BOGDAN	National Institute for R&D in Electrical Engineering ICPE-CA	Bucharest	Romania	5	DESIGN AND MODELING OF A PERSISTENT SWITCH FOR HTS SUPERCONDUCTING COILS DESTINATED TO WORK IN A MAGNETIC ENERGY STORAGE SYSTEM	oral presentation
81	IBWAP 2018	Dr	Nicoleta	BRICAN	Babes-Bolyai University	Cluj-Napoca	Romania	5	RADON MEASUREMENTS IN SCHOOLS - SUPPORT FOR THE DEVELOPMENT AND IMPLEMENTATION OF MEASURES TO REDUCE	oral presentation
82	IBWAP 2018	Prof	Dan	CHICEA	"Lucian Blaga" University of Sibiu	Sibiu	Romania	5	A FAST PROCEDURE FOR MONITORING THE SIZE OF THE SUSPENDED PARTICLES IN WASTEWATER	oral presentation
83	IBWAP 2018	Mr	Mihail	LUNGU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	5	CHARACTERIZATION OF PROTECTIVE AND FUNCTIONAL HARD COATINGS BY MICRO-XRF	oral presentation



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84	IBWAP 2018	Mr	Radu	MANU	University of Bucharest	Constanta	Romania	5	CHARACTERISATION OF THIN FILMS USING ELECTRON DIFFRACTION ASSISTED BY PRECESSION SYSTEM	oral presentation
85	IBWAP 2018	Dr	Eduard	NASTASE	National Institute for Earth Physics	Magurele	Romania	5	INTEGRATED GNSS AND SEISMOTECTONIC STUDY OF THE NW GALATI SEISMOGENIC AREA	oral presentation
86	IBWAP 2018	Dr	Octavian	PAVELESCU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	5	EVALUATION OF AN INTERIM DISPOSAL SYSTEM FOR GRAPHITE WASTES RESULTED FROM THE DECOMMISSIONING OF TH	oral presentation
87	IBWAP 2018	Dr	Corina	SIMION	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	5	A DECADAL DETERMINATION OF TRITIUM LEVELS IN ENVIRONMENTAL SAMPLES AROUND NIPNE ROMANIA (2007 – 2017)	oral presentation
88	IBWAP 2018	Dr	Ana	STOCHIOIU	Horia Hulubei National Institute for C&D in Physics and Nuclear Engineering	Magurele	Romania	5	STUDIES ON THE EVALUATION OF THE RADIOACTIVITY LEVEL IN ENVIRONMENTAL ENVIRONMENT, SWEDEN	oral presentation
89	IBWAP 2018	Prof	Maria	ZORAN	National Institute of R&D for Optoelectronics INOE 2000	Bucharest-Magurele	Romania	5	ANALYSIS OF SEISMIC PRESIGNALS RECORDED FOR SOME MODERATE VRANCEA EARTHQUAKES	oral presentation
90	IBWAP 2018	Dr	Dana	CRACIUN	West University of Timisoara	Timisoara	Romania	6	DIGITAL COMICS: REVIVING SCIENCE EDUCATION	oral presentation
91	IBWAP 2018	Ms	Cristina	IANCU	Univ of Bucharest, Faculty of Physics	Bucharest	Romania	6	FROM TRADITIONAL TO MODERN APPROACH IN THE STUDY OF PHOTOSYNTHESIS	oral presentation
92	IBWAP 2018	Dr	Anca	POPOVICI	University of Bucharest	Bucuresti	Romania	6	ERIS A PEDAGOGICAL REVIEW	oral presentation
93	IBWAP 2018	Dr	Dragos	TATARU	National Institute for Earth Physics	Magurele	Romania	6	PHYSICS WEBINARS IN SUPPORT FOR STEM DISCIPLINES	oral presentation



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94	IBWAP 2018	Dr	Emiliana L	ANDREICI EFTIMIE	Faculty of Physics, West University of Timisoara, V Parvan 4, Timisoara 300223, Romania	Timisoara	Romania	1	PREDICTING AND UNDERSTANDING MORPHOLOGY OF GDVO4 CRYSTAL: FIRST PRINCIPLE STUDY	poster
95	IBWAP 2018	Dr	Claudia	ANGHEL	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Magurele	Romania	1	A AND FISSION DECAY PROPERTIES AT NUCLEI WITH DOUBLE MAGIC SHELL STRUCTURE	poster
96	IBWAP 2018	Mr	Baibolat	ARGYMBEK	Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research	Dubna	Russia	1	CRYSTAL AND MAGNETIC STRUCTURE OF THE ORDERED AND DISORDERED MAGNETIC OXIDES PBFE0 5SB0 5O3 AND PBFE0 5NB0 5O3: THE NEUTRON DIFFRACTION DATA	poster
97	IBWAP 2018	Dr	Andrei	AVRAM	National Institute for Research and Development in Microtechnologies	Bucharest	Romania	1	HIGH TEMPERATURE PLASMA DEPOSITION OF NANOCRYSTALLINE GRAPHENE THIN FILMS	poster
98	IBWAP 2018	Dr	Cristina	BANCIU	INCDIE ICPE-CA	Bucuresti	Romania	1	3D GRAPHENE/ZINC OXIDE COMPOSITE NETWORK FOR ELECTRODE APPLICATIONS	poster
99	IBWAP 2018	Ms	Nadezhda	BELOZEROVA	Joint institute for nuclear research	Dubna	Russia	1	INTERNAL STRUCTURE AND DYNAMICS OF ROSUVASTATIN CALCIUM BY X-RAY DIFFRACTION AND NMR	poster
100	IBWAP 2018	Ms	Nadezhda	BELOZEROVA	Joint institute for nuclear research	Dubna	Russia	1	THE HIGH PRESSURE EFFECTS ON THE CRYSTAL, MAGNETIC STRUCTURE AND VIBRATIONAL PROPERTIES OF CA3CO2O6	poster
101	IBWAP 2018	Dr	Diana	BENEA	Babes-Bolyai University Cluj-Napoca	Cluj-Napoca	Romania	1	HALF-METALLIC COMPENSATED FERRIMAGNETISM IN THE MN-CO-V-AL HEUSLER ALLOYS	poster



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102	IBWAP 2018	Dr	Anca	BIRSAN	National Institute of Materials Physics	Bucharest	Romania	1	MAGNETIC PROPERTIES OF COFEZRSI COMPOUND: FIRST PRINCIPLE INVESTIGATIONS	poster
103	IBWAP 2018	Dr	Anca	BIRSAN	National Institute of Materials Physics	Bucharest	Romania	1	THE EFFECT OF INTERFACIAL DISTORTIONS ON THE HALF-METALLIC PROPERTIES IN QUATERNARY HEUSLER COMPOU	poster
104	IBWAP 2018	Ms	Vasilica S	BURGHELIA	University of Bucharest	Constanta	Romania	1	STRUCTURAL AND ELECTRICAL PROPERTIES OF N DOPED SIC NANOSTRUCTURES OBTAINED BY MAGNETRON SPUTTERING METHOD	poster
105	IBWAP 2018	Prof	Daniela	BUZATU	University Politehnica of Bucharest	Bucharest	Romania	1	ON THE STABILITY OF COBALT FERRITE MAGNETIC FLUIDS INVESTIGATED BY MEANS OF STRUCTURAL METHODS	poster
106	IBWAP 2018	Dr	Simona	CAPRARESCU	University Politehnica of Bucharest	Bucharest	Romania	1	CORROSION PROTECTION OF MILD STEEL USING DIFFERENT COMMERCIAL EXTRACTS FROM INSECT AND MOLLUSK	poster
107	IBWAP 2018	Dr	Radion	CHERKEZ	Chernivtsi National University	Chernivtsi	Ukraine	1	CAPABILITIES OF PERMEABLE THERMOELECTRIC ELEMENTS	poster
108	IBWAP 2018	Dr	Elena	CHITANU	INCDIE ICPE-CA	Bucharest	Romania	1	POLYMERIC NON-WOVEN FOR UV PROTECTION	poster
109	IBWAP 2018	Dr	Florina E	CIULEI	INCDIE ICPE-CA	Bucharest	Romania	1	MNBI ALLOYS USED IN MICRO-ELECTRICAL ENGINEERING	poster
110	IBWAP 2018	Dr	Mirela	CODESCU	R&D National Institute for Electrical Engineering ICPE-CA	Bucharest	România	1	INVESTIGATIONS ON STRUCTURAL AND MAGNETIC PROPERTIES OF FECO/AL ₂ O ₃ NANOMATERIALS	poster
111	IBWAP 2018	Dr	Mirela	CODESCU	R&D National Institute for Electrical Engineering ICPE-CA	Bucharest	România	1	SOFT MAGNETIC, ELECTRICALLY INSULATED NANOPOWDERS BASED ON CO	poster



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112	IBWAP 2018	Dr	Costel	COTIRLAN-SIMIONIUC	National Institute of Materials Physics	Magurele	Romania	1	FUNCTIONAL METASURFACES FOR LOCALIZED SURFACE PLASMON RESONANCE ENHANCED ANGLE-RESOLVED EVANESCENT-W	poster
113	IBWAP 2018	Mr	Ertugrul	DEMIR	Joint Institute for Nuclear Research, Dubna, Moscow region, Russia	Dubna	Russia	1	INVESTIGATIONS ON MICROSTRUCTURE, ELECTRICAL, AND THERMAL PROPERTIES OF TUNGSTEN BASED COMPOSITES	poster
114	IBWAP 2018	Ms	Yethreb	ESSOUDA	Laboratory of Physical Chemistry of Materials, Faculty of Sciences of Monastir, University of Monastir	Monastir	Tunisia	1	EFFECT OF PR ³⁺ SUBSTITUTED A-SITE OF LANTHANUM MANGANITE LA _{0.67} BA _{0.33} MNO ₃ NANOCRYSTALLINE: CASE OF EXPERIMENTAL AND THEORETICAL CORRELATION ASPECT OF MAGNETIC PROPERTIES	poster
115	IBWAP 2018	Dr	Petronela	GAROI	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	1	IMPLEMENTATION OF NEW NANOFILMS OF AG, AU, SIO ₂ , ZNO FOR METAMATERIAL ENGINEERING	poster
116	IBWAP 2018	Dr	Georgeta	GROSU	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	METAL-ORGANIC FRAMEWORKS AS VEHICLES FOR FLAVONOIDS TRANSPORT AND SEPARATION	poster
117	IBWAP 2018	Dr	Maria	GUTOIU	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	CORE-SHELL FEPT-CUS MAGNETIC NANOPARTICLES AS CONTRAST AGENTS IN MAGNETIC RESONANCE IMAGING	poster
118	IBWAP 2018	Dr	Nicuser	IACOB	National Institute of Materials Physics	Magurele	Romania	1	MAGNETIC FLUID HYPERTHERMIA RELATED ISSUES BY NUMERICAL SIMULATIONS USING DEDICATED SOFTWARES	poster



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119	IBWAP 2018	Dr	Sorina	IFTIMIE	University of Bucharest	Bucharest	Romania	1	ON THE FABRICATION AND CHARACTERIZATION OF SLOT WAVEGUIDES ON SILICON AND ALUMINUM	poster
120	IBWAP 2018	Dr	Mihai	IORDOC	INCDIE ICPE-CA	Bucharest	Romania	1	HYBRID ASYMMETRIC SUPERCAPACITOR WITH NOVEL 3D ORIENTED GRAPHITE BASED NANOCOMPOSITE ELECTRODES	poster
121	IBWAP 2018	Ms	Sara	LAAFAR	Cadi Ayyad University	Marrakech	Morocco	1	DC MACROMODEL OF POWER COOLMOS TRANSISTOR	poster
122	IBWAP 2018	Dr	Cristian	LEOSTEAN	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	PREPARATION, CHARACTERISATION AND APPLICATION OF COFE ₂ O ₄ DECORATED MWCNT COMPOSITE NANOPARTICLES	poster
123	IBWAP 2018	Dr	Jeanina	LUNGU	Ovidius University of Constanta	Constanta	Romania	1	TIO ₂ THIN FILMS SYNTHESIZED BY PLD IN O ₂ , N ₂ AND AR ATMOSPHERES FOR DYE SENSITIZED SOLAR CELLS FABRICATION	poster
124	IBWAP 2018	Mr	Sergiu	MACAVEI	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	INFLUENCE OF BUFFER LAYER ON PHOTOVOLTAIC CHARACTERISTICS OF CZTS THIN FILMS	poster
125	IBWAP 2018	Dr	Eugen	MANTA	INCDIE ICPE-CA	Bucharest	Romania	1	INFLUENCE OF DIFFERENT ADITIVE ELEMENTS ON MICROSTRUCTURE AND MAGNETIC PROPERTIES IN ALNICO ALLOYS	poster
126	IBWAP 2018	Mr	Victor	MLADENOVIC	National Institute for Research and Development in Microtechnologies	Bucharest	Romania	1	DEFECT GEOMETRY INFLUENCE ON GRAPHENE NANORIBBONS	poster



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127	IBWAP 2018	Mr	Asif	NABIYEV	FLNP JINR, Dubna / RPI ANAS, Baku	Dubna	Russia	1	EFFECT OF γ -IRRADIATION ON THE STRUCTURAL AND THERMAL PROPERTIES OF ZRO ₂ NANOPARTICLES REINFORCED HIGH-DENSITY POLYETHYLENE	poster
128	IBWAP 2018	Dr	Florin	NASTASE	Research Centre for Integrated Systems Nanotechnologies and Carbon Based Nanomaterials (CENASIC) - I	Bucharest	Romania	1	ATOMIC LAYER DEPOSITION OF HAFNIUM OXIDE FROM TETRAKIS (DIMETHYLAMINO) HAFNIUM (TDMAH) AND WATER PRE	poster
129	IBWAP 2018	Mr	Atoumane	NDIAYE	Department of Physics, Cheikh Anta Diop University of Dakar	Dakar	Senegal	1	BINDING, ELECTRON TRANSFER, AND DYE REGENERATION IN DYE-SENSITIZED SOLAR CELLS WITH ORGANIC DYES	poster
130	IBWAP 2018	Dr	Liviu	NEDELCU	National Institute of Materials Physics	Bucharest-Magurele	Romania	1	MICROWAVE DIELECTRIC PROPERTIES OF BA ₂ /3SR1/3TIO ₃ FERROELECTRIC THICK FILMS	poster
131	IBWAP 2018	Dr	George	NEMNES	Horia Hulubei National Institute for Physics and Nuclear Engineering	Magurele-Ilfov	Romania	1	BALLISTIC TRANSPORT IN GRAPHENE Y-JUNCTIONS	poster
132	IBWAP 2018	Dr	George	NEMNES	Horia Hulubei National Institute for Physics and Nuclear Engineering	Magurele-Ilfov	Romania	1	ELECTRIC FIELD EFFECT IN DOPED GRAPHENE BILAYERS	poster
133	IBWAP 2018	Ms	Anca	NICAREL	University of Bucharest	Bucharest	Romania	1	CALCIUM PHOSPHATE THIN FILMS FROM RENEWABLE SOURCES FOR BIOMEDICAL APPLICATION	poster
134	IBWAP 2018	Prof	Khalid	NOUNEH	Laboratory of Physics of Condensed Matter (LPMC), Department of Physics, Faculty of Science, Univers	Kenitra	Morocco	1	THE COMPACT METAL OXIDE BLOCKING LAYER ZNO BY ULTRASONIC SPRAY MIST-CVD FOR HYBRID PEROVSKITE SOLAR CELL	poster



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135	IBWAP 2018	Prof	Oleg	ORELOVICH	Joint Institute for Nuclear Research	Dubna	Russia	1	ON THE STRUCTURE OF LITHIUM-PHOSPHATE GLASSES DOPED WITH IRON AND VANADIUM IONS	poster
136	IBWAP 2018	Dr	Osman M	OZKENDIR	Mersin University	Mersin	Turkey	1	ELECTRONIC AND CRYSTAL STRUCTURE STUDY OF THE LI5CA2-XGAXLA2ZR2O12 SOLID BATTERY CATHODE	poster
137	IBWAP 2018	Mr	Petre	PANAIT	University of Bucharest	Bucharest	Romania	1	DFT SIMULATIONS OF PHOTOEXCITATION PROCESSES IN DYE-SENSITIZED SOLAR CELLS WITH ORGANIC DYES	poster
138	IBWAP 2018	Dr	Delia	PATROI	National Institute for R&D in Electrical Engineering ICPE-CA	Bucharest	Romania	1	EFFECT OF PT INTERLAYER ON GROWTH MECHANISM OF ALNICO NANOPARTICULATE THIN FILMS	poster
139	IBWAP 2018	Dr	Eros A	PATROI	INC DIE ICPE-CA	Bucharest	Romania	1	STRUCTURAL, MORFOLOGIC AND MAGNETIC PROPERTIES OF FENI3 NANOPARTICLES SYNTHESIZED THROUGH AN REDUCTION PROCESS ASSISTED OF ULTRASOUND IN AQUEOUS SOLUTION	poster
140	IBWAP 2018	Dr	Nicolina	POP	Politehnica University of Timisoara	Timisoara	România	1	EVALUATION OF PHOTOVOLTAIC PANELS: OPTICAL NON-DESTRUCTIVE VERSUS MECHANICAL TESTING METHODS	poster
141	IBWAP 2018	Dr	Petronela	PREPELITA	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	1	INFLUENCE OF DEPOSITION PROCESS ON THE STRUCTURAL PROPERTIES OF AU ULTRA THIN FILMS	poster



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142	IBWAP 2018	Dr	Violeta	PURCAR	National Research and Development Institute for Chemistry and Petrochemistry	Bucharest	Romania	1	INFLUENCE OF SILANE PRECURSOR ON THE TiO ₂ MATERIALS	poster
143	IBWAP 2018	Dr	Mihaela	RAȚUCIU	Lucian Blaga University of Sibiu	Sibiu	Romania	1	ATR-FTIR VERSUS RAMAN SPECTROSCOPY USED FOR STRUCTURAL ANALYSES OF THE IRON OXIDE NANOPARTICLES	poster
144	IBWAP 2018	Dr	Dania	RACOLTA	Technical University of Cluj Napoca, North University Center of Baia Mare	Cluj-Napoca	Romania	1	MAGNETIC BEHAVIOUR OF LITHIUM-PHOSPHATE SYSTEMS DOPED WITH IRON AND VANADIUM IONS	poster
145	IBWAP 2018	Dr	Simona	RADA	Technical University of Cluj-Napoca	Cluj-Napoca	Romania	1	PARTIALLY STABILIZED ZIRCONIUM DIOXIDE CERAMICS AS DENTAL MATERIALS	poster
146	IBWAP 2018	Dr	Marius	RADA	Technical University of Cluj-Napoca	Cluj-Napoca	Romania	1	STABILIZED ZIRCONIA CERAMICS STUDIED VIA SPECTROSCOPIC METHODS	poster
147	IBWAP 2018	Ms	Roxana	ROMAN	West University of Timisoara	Timisoara	Romania	1	CRYSTAL STRUCTURE AND TOPOLOGICAL PROPERTIES OF BETULINIC ACID ISOPROPANOL MONOSOLVATE	poster
148	IBWAP 2018		Anton	RUTKAUSKAS	Joint Institute for Nuclear Research	Dubna	Russia	1	CRYSTAL AND MAGNETIC STRUCTURE OF TBBACO ₁ 91FE ₀ 09O ₅ 5 COBALTITE UNDER HIGH PRESSURE	poster
149	IBWAP 2018		Anton	RUTKAUSKAS	Joint Institute for Nuclear Research	Dubna	Russia	1	THE INFLUENCE OF HIGH PRESSURE ON THE MAGNETIC PROPERTIES OF INTERMETALLIC COMPOUNDS YCO ₅ AND YCO ₄ SI	poster
150	IBWAP 2018	Dr	Beatrice	SBARCEA	National Institute for R & D in Electrical Engineering ICPE-CA, Bucharest Romania	BUCHAREST	Romania	1	DOPPED GLASS WITH NANOCRYSTALS FOR ENHANCED LASER EFFECT	poster



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151	IBWAP 2018	Dr	Loredana	SORAN	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	PREPARATION AND CHARACTERIZATION OF MAGNETIC NANOCOMPOSITES BASED ON CUBIC MAGNETITE WITH POSSIBLE A	poster
152	IBWAP 2018	Dr	Manuela	STAN	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	SYNTHESIS, CHARACTERIZATION, AND ANTIBACTERIAL ACTIVITY OF GREEN SYNTHESIZED FE ₃ O ₄ /CUO/AG NANOCOMPOSITES	poster
153	IBWAP 2018	Dr	Marius	STEF	West University of Timisoara	Timisoara	Romania	1	INFLUENCE OF PROTON IRRADIATION ON THE DIELECTRIC PROPERTIES OF PURE AND YBF ₃ -DOPED BAF ₂ CRYSTALS	poster
154	IBWAP 2018	Prof	Nicolae	TIGAU	"Dunarea de Jos" University of Galati	Galati	Romania	1	HIGH-TEMPERATURE DEPOSITION OF BISMUTH OXIDE THIN FILMS BY PULSED LASER ABLATION	poster
155	IBWAP 2018	Prof	Nicolae	TIGAU	"Dunarea de Jos" University of Galati	Galati	Romania	1	SUBSTRATE TEMPERATURE EFFECT ON THE STRUCTURAL AND OPTICAL PROPERTIES OF TIN OXIDE THIN FILMS	poster
156	IBWAP 2018	Dr	Lucian	TRUPINA	National Institute of Materials Physics	Bucharest	Romania	1	EPITAXIAL GROWTH OF IRIIDIUM THIN FILM AS BOTTOM ELECTRODE FOR HIGH FREQUENCY TUNABLE CAPACITORS	poster
157	IBWAP 2018	Dr	Silviu	VULPE	National Research Institute for Microtechnologies	Bucuresti	Romania	1	IMPACT OF THERMAL TREATMENT UPON MORPHOLOGY AND CRYSTALLINITY OF (ZNO/AL ₂ O ₃)/TIO ₂ THIN FILMS DEPOSIT	poster



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158	IBWAP 2018	Dr	Mioara	ZAGRAI	National Institute for Research & Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	1	STRUCTURAL STUDIES OF ZIRCONIA CERAMICS FOR DENTAL APPLICATIONS	poster
159	IBWAP 2018	Ms	Nora	ZIANI	Laboratory of Advanced Technologies of Genie Electrics (LATAGE), Mouloud Mammeri University (UMMTO)	TiziOuzou	Algeria	1	STRUCTURAL, ELECTRICAL AND OPTICAL PROPERTIES OF AMORPHOUS TIN OXIDE THIN FILMS PREPARED BY RF MAGNETRON SPUTTERING	poster
160	IBWAP 2018	Dr	Cristina	ACHIM (POPA)	National Institute for Laser Plasma and Radiation Physics	Magurele	Romania	2	PHOTOACOUSTIC INSTRUMENT WITH APPLICATION IN ASTRONAUTIC HEALTH	poster
161	IBWAP 2018	Mr	Radu D	AVRAM	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	REMARKABLE ENHANCEMENT OF EMISSION INTENSITY OF EU-SNO ₂ NANOPARTICLES BY LI ADDITION	poster
162	IBWAP 2018	Dr	Viorel	BRAIC	National Institute for Optoelectronics	Magurele	Romania	2	SYSTEM FOR SPACE CONDITIONS THERMAL VACUUM TESTING OF SATELLITE DISH ANTENNAS	poster
163	IBWAP 2018	Mr	Bogdan	BUTOI	National Institute for Laser Plasma and Radiation Physics	Magurele	Romania	2	ANALYSIS OF THIN POLYANILINE FILMS OBTAINED BY DC PLASMA POLYMERIZATION REACTOR	poster
164	IBWAP 2018	Mr	Octavian	COLBEA	National Institute for Laser, Plasma and Radiation Physics	Bucharest	Romania	2	TETRAGONAL TO MONOCLINIC PHASE TUNING OF ER DOPED NANO-ZIRCONIA BY LITHIUM ADDITION AND ITS EFFECT O	poster
165	IBWAP 2018	Mr	Alexandru	CRACIUN	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	TERAHERTZ GENERATION IN LITHIUM NIOBATE WITH GAUSSIAN BEAMS: THEORETICAL MODELLING	poster



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166	IBWAP 2018	Mr	Paul-Pavel	DINCA	National Institute for Laser, Plasma and Radiation Physics	Bucharest	Romania	2	THE INFLUENCE OF BE,W AND BE-W DC MAGNETRON SPUTTERING CO-DEPOSITED LAYERS ON DEUTERIUM DESORPTION	poster
167	IBWAP 2018	Dr	Virginia	DINCA-BALAN	Ovidius University of Constanta	Constanta	Romania	2	GROWTH AND PROPERTIES OF MgSi THIN FILMS OBTAINED BY TVA TECHNOLOGY	poster
168	IBWAP 2018	Prof	Daniela	DRAGOMAN	University of Bucharest	Bucharest	Romania	2	MULTIPORT RING-SHAPED PLASMONIC WAVEGUIDES OPERATING AS LOGIC GATES	poster
169	IBWAP 2018	Ms	Neha	GUPTA	Delhi Technological University,	Delhi	India	2	INVESTIGATIONS ON THE EFFECT OF SUBSTRATE BIAS ON THE GROWTH OF VERTICAL GRAPHENE SHEETS VIA PECVD PROCESS	poster
170	IBWAP 2018	Dr	Mihaela A	IORDACHE	National Research and Development Institute for Cryogenics and Isotopic Technologies	Ramnicu Valcea	Romania	2	ASSESSMENT OF HEAVY METALS POLLUTION IN SEDIMENTS FROM RESERVOIRS OF THE OLT RIVER AS TOOL FOR ENVIR	poster
171	IBWAP 2018	Dr	Aurelia	MANDES	Ovidius University of Constanta	Constanta	Romania	2	SYNTHESIS OF Mg-Zn COATINGS USING LASER THERMIONIC VACUUM ARC METHOD AND THEIR INDUSTRIAL APPLICATIONS	poster
172	IBWAP 2018	Dr	Marian	MOGILDEA	Institute of Space Science INFLPR	Magurele	Romania	2	INVESTIGATION OF THE ATTENUATION PROCESS BY PLASMA OF THE THZ BEAM	poster
173	IBWAP 2018	Dr	Iuliana	MOTRESCU	Research Institute for Agriculture and Research	IASI	Romania	2	NONTHERMAL DBD TREATMENT OF SEEDS FOR SPROUTING STIMULATION	poster
174	IBWAP 2018	Prof	Adrian	MURARIU	Imperial College London	London	United Kingdom	2	SCATTERING MATRIX MAPLE APPLICATION FOR PROPAGATION OF ELECTROMAGNETIC RADIATION IN STRATIFIED MEDIA	poster



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175	IBWAP 2018	Prof	Gabriel	MURARIU	Dunairea de Jos University of Galati	Galati	Romania	2	COMPARISON BETWEEN DIFFERENT SCATTERING MATRIX SOFTWARE APPLICATIONS FOR PROPAGATION OF ELECTROMAGNETIC RADIATION IN STRATIFIED MEDIA	poster
176	IBWAP 2018	Dr	Vasile	NASTUTA	"Grigore T Popa" University of Medicine	Iasi	Romania	2	A 70 KHZ AC HIGH VOLTAGE DRIVEN HE PLASMA JET FOR SURFACE TREATMENT: OPTICAL AND ELECTRICAL DIAGNOST	poster
177	IBWAP 2018	Prof	Liliana	SACHELARIE	Apollonia University	Iasi	Romania	2	EFFECTS OF PRETREATMENT METHODS ON THE ENAMEL SURFACE IMPROVING SEALANT ADHESION	poster
178	IBWAP 2018	Dr	Adrian	SCURTU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	INTERACTION BETWEEN DENSE PLASMA JETS AND DUSTY CRYSTALS	poster
179	IBWAP 2018	Prof	Radu	SETNESCU	Valahia University of Targoviste	Bucharest	Romania	2	ANALYSIS OF THERMOLUMINESCENCE EMISSION ABOVE ROOM TEMPERATURE FROM ZEOLITE MATERIALS	poster
180	IBWAP 2018	Dr	Cristian	STANCU	National Institute for Laser, Plasma and Radiation Physics	Magurele	Romania	2	BEHAVIOUR OF TUNGSTEN SURFACES EXPOSED TO HOLLOW CATHODE DISCHARGES	poster
181	IBWAP 2018	Dr	Dorina	TICOS	National Institute of Research and Development for Lasers, Plasma and Radiation Physics	Magurele	Romania	2	PLASMA CRYSTAL ROTATION INDUCED BY AN ELECTRON BEAM	poster
182	IBWAP 2018	Dr	Mihaela	VASILIU	Apollonia University	ias	Romania	2	PLASMA IN MEDICINE	poster
183	IBWAP 2018	Dr	Sorin	VIZIREANU	National Institute for Lasers, Plasma and Radiation Physics	Magurele-Bucuresti	Romania	2	FUNCTIONALIZATION OF GRAPHENE TROUGH PLASMA TREATMENT OF THEIR LIQUID SUSPENSION	poster



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184	IBWAP 2018	Ms	Elena	VLADESCU	Univ of Bucharest, Faculty of Physics	Bucharest	Romania	2	MULTI-PORT RING-SHAPED PLASMONIC WAVEGUIDES OPERATING AS LOGIC GATES	poster
185	IBWAP 2018	Mr	Ion	ZUBAC	Institute of Applied Physics	Chisinau	Republic Of Moldova	2	METASTABLE BOUND STATES OF THE TWO-DIMENSIONAL BIMAGNETOEXCITONS WITH TRIPLET-TRIPLET AND SINGLET-SI	poster
186	IBWAP 2018	Mr	Alexander	ABATUROV	Institute of Technical Chemistry	Perm	Russian Federation	3	ION BEAM TREATMENT OF POLYURETHANES FOR BIOMEDICAL APPLICATIONS	poster
187	IBWAP 2018	Dr	Diana	CHIPER	National Institute for Physics and Nuclear Engineering	Magurele	Romania	3	NEW METHODS FOR DECONTAMINATION OF A SURFACE IN RADIOCHEMISTRY LABORATORY	poster
188	IBWAP 2018	Dr	Bogdan	CONSTANTINESCU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	STUDIES ON ANCIENT ROMAN GLASS USING MICRO-PIXE AND SEM-EDS	poster
189	IBWAP 2018	Dr	Daniela	CRISTEA-STAN	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	STUDIES ON PIGMENTS OF RELIGIOUS MURAL PAINTINGS USING A PORTABLE X-RAY FLUORESCENCE SPECTROMETER	poster
190	IBWAP 2018	Dr	Relu	DOBRIN	Institute for Nuclear Research	Pitesti	Romania	3	RA-226 DETERMINATION IN AQUEOUS SAMPLES BY ALPHA-LIQUID SCINTILLATION COUNTING OF RN-222	poster
191	IBWAP 2018	Mr	Gheorghe	DOGARU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	3	RADIATION PROTECTION ASPECTS DURING THE RADIOACTIVE WASTE SUPER-COMPACTION CAMPAIGNS	poster
192	IBWAP 2018	Dr	Daniela	DOGARU	National Commission for Nuclear Activities Control	Bucharest	Romania	3	RADON NATIONAL ACTION PLAN IN ROMANIA	poster



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193	IBWAP 2018	Prof	Antoaneta	ENE	Dunarea de Jos University of Galati	Galati	Romania	3	NUCLEAR AND RELATED TECHNIQUES USED FOR THE INVESTIGATION OF SOIL POLLUTION AND METAL TRANSFER IN PLANTS IN INDUSTRIAL AREAS	poster
194	IBWAP 2018	Ms	Simona	ILIE	Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH)	Bucharest, Magurele	Romania	3	FORECASTING THE PRODUCTION OF MEDICAL RADIOISOTOPES AT ELI-NP	poster
195	IBWAP 2018	Ms	Maria	ILIE	lăcșHoria Hulubeiăcș National Institute for Physics and Nuclear Engineering (IFIN-HH)	Magurele	Romania	3	RADIOCARBON DATING APPLICATIONS OF ACCELERATOR MASS SPECTROMETRY	poster
196	IBWAP 2018	Ms	Laura	IONASCU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	THE BEHAVIOUR IN TIME OF LOW-PH MODIFIED CEMENT BASED MATRICES USED FOR EMBEDDING RADIOACTIVE METALL	poster
197	IBWAP 2018	Dr	Aurel	KONSTANTINOVICH	Chernivtsi National University	Chernivtsi	Ukraine	3	SYNCHROTRON-CHERENKOV RADIATION SPECTRUM OF ELECTRONS MOVING IN SPIRAL IN MEDIUM	poster
198	IBWAP 2018	Prof	Vasily	LEBEDEV	Joint Institute of Nuclear Research	Dubna	Russia	3	POLARIZED NEUTRON SCATTERING ON FERROELASTOMERS SYNTHESIZED IN MAGNETIC FIELD	poster
199	IBWAP 2018	Ms	Ana-Maria	LUCHIAN	National Institute for R&D in Electrical Engineering ICPE-CA	Bucharest	Romania	3	SYNTHESIS OF COLLOIDAL SILVER NANOPARTICLES WITH ANTIMICROBIAL PROPERTIES BY GAMMA RADIATION	poster
200	IBWAP 2018	Dr	Marius	LUNGULESCU	National R&D Institute for Electrical Engineering ICPE-CA	Bucharest	Romania	3	CHEMICAL CHARACTERIZATION OF DEGRADATION STATE OF THE MESITYLENE COLD MODERATOR USED IN IBR-2	poster



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201	IBWAP 2018	Dr	Tatiana	LYCHAGINA	Joint Institute for Nuclear Research	Dubna	Russia	3	NEUTRON DIFFRACTION INVESTIGATION OF AGING PHENOMENA IN THE CEMENT STRUCTURES	poster
202	IBWAP 2018	Ms	Simona E	MANEA	National Institute for Physics and Nuclear Engineering	Magurele	Romania	3	UPGRADING OF TRITIUM LABORATORY FROM NIPNE, MAGURELE RESEARCH INFRASTRUCTURE AND NUCLEAR TECHNOLOGIES	poster
203	IBWAP 2018	Dr	Paul	MEREUTA	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	3	SEM-EDS AS INVESTIGATION TOOL FOR ARCHAEOLOGICAL ARTIFACTS	poster
204	IBWAP 2018	Ms	Daniela	NICU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Magurele	Romania	3	THE EVOLUTION IN TIME OF PHYSICO-CHEMICAL AND MECHANICAL PROPERTIES OF CEMENT MATRICES CONTAINING S	poster
205	IBWAP 2018	Ms	Violeta	PINTILIE	DunĂfrea de Jos University of Galati, Doctoral School of Mechanical and Industrial Engineering	Galati	Romania	3	INDOOR RADON MEASUREMENTS IN THE CITY GALATI	poster
206	IBWAP 2018	Dr	Corina	SIMION	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	3	USING RADIOMETRIC AND NON RADIOMETRIC METHODS FOR A COMPLEX CHARACTERIZATION OF AN HISTORICAL MONUMENT ENSEMBLE; OTETELESANU EX-MANSION FROM MAGURELE COUNTY ROMANIA CASE STUDY	poster
207	IBWAP 2018	Dr	Laurentiu	TEODORESCU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	3	A PRECISION CURRENT GENERATOR FOR ELECTROPLATING SYSTEM	poster



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208	IBWAP 2018	Dr	Laurentiu	TEODORESCU	“Horia Hulubei” National Institute of Physics and Nuclear Engineering	Bucharest	Romania	3	INCREASING THE ACCURACY OF THE BEAM CURRENT MEASUREMENT IN CYCLOTRON APPLICATIONS	poster
209	IBWAP 2018	Dr	Diana	BADIU	Ovidius University of Constanta	Constanta	Romania	4	MICROSTRUCTURE ANALYSIS OF HIP PROSTHESIS FROM AL ₂ O ₃ /Y-ZRO ₂ CERAMICS USING NEUTRON DIFFRACTION METHO	poster
210	IBWAP 2018	Dr	Maria	BALASOIU	Joint Institute for Nuclear Research/IFIN-HH	Dubna	Russian Federation	4	STRUCTURAL AND MAGNETIC PROPERTIES OF CO AND CU-DOPED FERRIHYDRITE NANOPARTICLES	poster
211	IBWAP 2018	Dr	Maria	BALASOIU	Joint Institute for Nuclear Research	Dubna	Russian Federation	4	STRUCTURAL AND CHEMICAL EFFECTS OF BACTERIAL GROWTH LIGHT REGIMES ON BIOGENIC NANOPARTICLES PRODUCTIO	poster
212	IBWAP 2018	Prof	Marcela	BARBINTA-PATRASCU	University of Bucharest, Faculty of Physics	Bucharest	Romania	4	BIO-NANOSILVER GENERATED FROM NETTLE AND GRAPES, AS ADJUVANT IN CANCER THERAPY	poster
213	IBWAP 2018	Dr	Roxana	BUGOI	Horia Hulubei National Institute for Nuclear Physics and Engineering	Magurele	Romania	4	MULTIDISCIPLINARY STUDY ON PREHISTORIC POTTERY FROM SOUTH EAST ROMANIA	poster
214	IBWAP 2018	Ms	Cristina	BUTA	Institute of Physical Chemistry, Bucharest	Bucharest	Romania	4	MAGNETO-STRUCTURAL CORELATIONS WITH NITROXIDE RADICALS	poster
215	IBWAP 2018	Dr	Claudia	CHILOM	University of Bucharest	Bucharest	Romania	4	CHARACTERIZATION OF FERRIHYDRITE NANOPARTICLES IN INTERACTION WITH LIPOSOMES AND THE EFFECT AGAINST	poster
216	IBWAP 2018	Ms	Alexandra	CIORITA	2National Institute of Research and Development for Isotopic and	Cluj-Napoca	Romania	4	LIGHT AND ELECTRON MICROSCOPY ANALYSIS OF THE LEAVES OF VINCA SPECIES	poster



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					Molecular Technologies					
217	IBWAP 2018	Ms	Madalina	COMAN	“Dunarea de Jos” University of Galati	Galati	Romania	4	AUTOMATED RECOGNITION OF SYNTHETIC CANNABINOIDS BASED ON ANN AND MOLECULAR DESCRIPTORS	poster
218	IBWAP 2018	Ms	Madalina	COMAN	“Dunarea de Jos” University of Galati	Galati	Romania	4	OPTIMISATION OF THE PERFORMANCES OF ANN SYSTEMS DESIGNED FOR THE IDENTIFICATION OF JWH CANNABINOID	poster
219	IBWAP 2018	Dr	Bogdan	DUMITRU	“Politehnica” University of Bucharest	Bucharest	Romania	4	NONLINEAR AND FRACTAL ASPECTS IN THE MANAGEMENT OF RISKS	poster
220	IBWAP 2018	Mr	Eduard	GHIORGHIU	Babes-Bolyai University	Cluj-Napoca	Romania	4	SEISMOLOGICAL AND EARTH STRUCTURE INFORMATION RETRIEVED FROM SINGLE-STATION MEASUREMENTS: CASE STUDY	poster
221	IBWAP 2018	Ms	Adelina	ION	“Dunarea de Jos” University of Galati	Galati	Romania	4	COMPUTATIONAL STUDY OF 3,4-METHYLENEDIOXYPYROVALERONE	poster
222	IBWAP 2018	Ms	Adelina	ION	“Dunarea de Jos” University of Galati	Galati	Romania	4	THEORETICAL INVESTIGATION OF THE CHEMICAL POTENTIAL OF 3,4-METHYLENEDIOXYPYROVALERONE	poster
223	IBWAP 2018	Dr	Dana A	MAGDAS	National Institute for Research and Development of Isotopic and Molecular Technologies, 67-103 Dona	Cluj-Napoca	Romania	4	APPLICATIONS OF ELEMENTAL PROFILING IN CONJUNCTION WITH CHEMOMETRY IN WINE DISCRIMINATION	poster



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224	IBWAP 2018	Mr	Laurentiu	MARIN	National Institute for Research and Development in Chemistry and Petrochemistry	Bucharest	Romania	4	THE IDENTIFICATION OF FULLERENE SPATIAL FORMATIONS TYPE OF GRAPHITE FILMS DEPOSITED ON METAL SURFACE BY ELECTRICAL DISCHARGE IN IMPULSE THROUGH THERMAL GRAVIMETRIC ANALYSIS (TGA)	poster
225	IBWAP 2018	Ms	Sorina S	MORARU	"Dunarea de Jos" University of Galati, Doctoral School of Mechanical and Industrial Engineering	Galati	Romania	4	HYDRO-PHYSICAL CHARACTERISTICS OF CALCARO-CALCIC CHERNOZEMS IN THE MALINA RIVER BASIN, GALATI COUNTY, ROMANIA	poster
226	IBWAP 2018	Dr	Iuliana	MOTRESCU	Research Institute for Agriculture and Research	IASI	Romania	4	INVESTIGATION OF THE STRUCTURE AND TEXTURE OF MOLLUSK SHELLS BY PHYSICAL METHODS FOR UNDERSTANDING THE BIOMINERALIZATION PROCESS	poster
227	IBWAP 2018	Prof	Gabriel	MURARIU	Dunarea de Jos University	Galati	Romania	4	DETERMINATION OF WASTEWATER QUALITY INDEX OF MUNICIPAL WASTEWATER PLANT OF GALATI	poster
228	IBWAP 2018	Prof	Gabriel	MURARIU	Dunarea de Jos University	Galati	Romania	4	ASSESSMENT OF SURFACE WATER QUALITY OF DANUBE RIVER IN TERMS OF WATER QUALITY INDEX	poster
229	IBWAP 2018	Ms	Nicoleta	NICULA	INC DIE ICPE-CA	Bucharest	Romania	4	INCREASING THE ENERGY EFFICIENCY OF BIOGAS SYSTEMS BY ELECTROPHYSICAL STIMULATION OF MICROBIAL ACTIVITY	poster
230	IBWAP 2018	Dr	Tatiana	PISLARI	Institute of Applied Physics	Chisinau	Moldova	4	COOPERATIVE ENTANGLED EFFECTS BETWEEN MODE COMPONENTS OF OPTICAL MICRO-FIBER (OR MICRO-CAVITY) STIMULATED BY TWO	poster



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									ENSEMBLES OF ATOMS IN NON-LINEAR INTERACTION	
231	IBWAP 2018	Dr	Anica	PLACINTA	National Institute for Earth Physics	Magurele	Romania	4	REVISED CATALOG OF EARTHQUAKE MECHANISMS FOR THE EVENTS OCCURRED IN ROMANIA UNTIL THE END OF XX CENT	poster
232	IBWAP 2018	Dr	Anica	PLACINTA	National Institute for Earth Physics	Magurele	Romania	4	SEISMICITY CLUSTERING PROPERTIES IN SPACE AND TIME IN FRONT OF THE SOUTH-EASTERN CARPATHIANS BEND ZONE	poster
233	IBWAP 2018	Mr	Radu	SERBAN	Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH)	Magurele	Romania	4	THE IN VITRO EVALUATION OF THE RADIOTOXICITY OF GALLIUM-68 LABELLED PHARMACOLOGICAL COMPOUNDS	poster
234	IBWAP 2018	Ms	Ana A	SORESCU	The National Research&Development Institute for Chemistry and Petrochemistry	Bucharest	Romania	4	NANOAGGREGATES FROM METALLIC NANOPARTICLES AND MACROCYCLIC COMPOUNDS: PHOTOPHYSICAL, PHOTOCHEMICAL AND ANTIMICROBIAL PROPERTIES	poster
235	IBWAP 2018	Dr	Diana	STEGARUS	National Research and Development Institute for Cryogenics and Isotopic Technologies - ICSI Ramnicu	Rm Valcea	Romania	4	ADVANCED IDENTIFICATION AND QUANTIFICATION OF PESTICIDES RESIDUES IN VEGETABLES BY GCXGC-TOFMS TECHNIQUE	poster
236	IBWAP 2018	Dr	Ana Maria	TOADER	Institute of Physical Chemistry, Bucharest	Bucharest	Romania	4	CHARGE TRANSFER PROCESSES MODELED WITHIN SPIN COUPLING AND VIBRONIC PARADIGMS	poster



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237	IBWAP 2018	Dr	Monica	VASILE	University Ovidius of Constanta	Constanta	Romania	4	PILOT STUDY: ASSESSMENT OF THE CHARACTERIZATION OF THE TEMPORARY TEETH COMPARED WITH PERMANENT TEETH BY MEANS OF THERMAL ANALYSIS	poster
238	IBWAP 2018	Dr	Cezara	VOICA	National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca,	Cluj-Napoca	Romania	4	PRELIMINARY STUDY TO CHARACTERIZE EDIBLE OILS USING ELEMENTAL ANALYSIS (ICP-MS) AND ISOTOPE RATIO MA	poster
239	IBWAP 2018	Mr	Bogdan	ZORILA	University of Bucharest	Bucharest	Romania	4	THE INFLUENCE OF FOLIC ACID ON THE FLUIDITY OF DPPC LIPOSOMAL MEMBRANES AND THE EFFECT AGAINST NORMA	poster
240	IBWAP 2018	Dr	Iulian	BANCUTA	Valahia University of Targoviste, Multidisciplinary Research Institute for Sciences and Technologi	Targoviste	Romania	5	HEAVY METALS MONITORING FROM GRAIN, GROWN ON THE SOIL MIXTURES WITH DIFFERENT CONCENTRATIONS OF SEWAGE SLUDGE	poster
241	IBWAP 2018	Dr	Ioan	BUCURICA	Valahia University of Targoviste	Targoviste	Romania	5	GEOMORPHOLOGY ASPECTS AND CHEMICAL COMPOSITION INVESTIGATIONS OF SOILS FROM URANIUM MINE TAILINGS	poster
242	IBWAP 2018	Prof	Dan	CHICEA	"Lucian Blaga" University of Sibiu	Sibiu	Romania	5	A STUDY OF CASEIN MICELLES AGGREGATION USING DYNAMIC LIGHT SCATTERING	poster
243	IBWAP 2018	Dr	Angela P	CONSTANTIN	National Institute for Earth Physics	Magurele	Romania	5	MACROSEISMIC INTENSITY ATTENUATION RELATIONSHIP WITH EPICENTRAL DISTANCE FOR FAGARAS SEISMOGENIC ZON	poster



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244	IBWAP 2018	Mr	Gabriel	CONSTANTINESCU	National Institute for Earth Physics	Magurele	Romania	5	PARAMETERIZATION OF ACTIVE FAULTS FROM THE SOUTHWEST OF SOUTHERN CARPATHIANS	poster
245	IBWAP 2018	Mr	Gabriel	CONSTANTINESCU	National Institute for Earth Physics	Magurele	Romania	5	USING THE ETAS MODEL FOR CATALOGUE DECLUSTERING AND ANALYSES SEISMIC SEQUENCE IN DANUBIAN SEISMOGEN	poster
246	IBWAP 2018	Dr	Ioana	DULAMA	Valahia University of Targoviste	Targoviste	Romania	5	CHEMICAL AND MORPHOLOGICAL INVESTIGATIONS ON PAINTED POTTERY OF ROMANIAN CULTURAL HERITAGE	poster
247	IBWAP 2018	Mr	George	DUMITRU	National Institute for R&D in Electrical Engineering ICPE-CA	Bucharest	Romania	5	DESIGN OF A CRYOGENIC DEVICE FOR SOLID NEON DEPOSITION ON A POSITRONS SOURCE FOR ELI-NP PROJECT	poster
248	IBWAP 2018	Mr	Mikhail	FEDOSEEV	NRC "Kurchatov institute" – CRISM "Prometey"	St Petersburg	Russia	5	INVESTIGATION OF BETA TITANIUM ALLOY BY NEUTRON AND X-RAY DIFFRACTION AND SANS	poster
249	IBWAP 2018	Dr	Radu	FIERASCU	The National Institute for Research & Development in Chemistry and Petrochemistry - ICECHIM	Bucharest	Romania	5	ARCHAEOMETALLURGICAL EVALUATION OF FINERY USING NON-DESTRUCTIVE METHODS	poster
250	IBWAP 2018	Dr	Irina	FIERASCU	The National Institute for Research & Development in Chemistry and Petrochemistry - ICECHIM	Bucharest	Romania	5	NOBLE METAL NANOPARTICLES EVALUATION USING NUCLEAR TECHNIQUES AND OTHER RELATED METHODS	poster
251	IBWAP 2018	Dr	Anca I	GHEBOIANU	Valahia University of Targoviste	Targoviste	Romania	5	ENHANCED HEAVY METAL CONCENTRATIONS IN SOIL AND FRUIT TREES ASSOCIATED TO THE USE OF FERTILIZERS AND PESTICIDES	poster



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252	IBWAP 2018	Dr	Ioana	ION	R&D National Institute for Electrical Engineering, ICPE-CA	Bucharest	Romania	5	HYBRID NACOMPOSITE RGO/SEMICONDUCTOR OXIDE AS SENSITIVE MATERIAL FOR NO2 DETECTION	poster
253	IBWAP 2018	Dr	Rodica	ION	ICECHIM	Bucharest	Romania	5	X-RAY AND SCANNING ELECTRON MICROSCOPY ARCHAEOMETRIC STUDIES OF PIGMENTS FROM MURAL PAINTS	poster
254	IBWAP 2018	Dr	Andreea IM	IORDACHE	National Research and Development Institute for Cryogenics and Isotopic Technologies	Ramnicu Valcea	Romania	5	A FUGACITY BASED MODEL FOR THE ASSESSMENT OF POLLUTANT DYNAMIC EVOLUTION OF VOCS AND BTEX IN THE OLT	poster
255	IBWAP 2018	Dr	Ivan	KONSTANTINOVICH	Chernivtsi National University	Chernivtsi	Ukraine	5	ON THE EFFICIENCY OF GYROTROPIC THERMOELEMENTS IN GENERATION MODE	poster
256	IBWAP 2018	Dr	Lucia	LEONAT	National Institute for Materials Physics	Magurele	Romania	5	STUDIES ON THE ENHANCEMENT OF ELECTRICAL CONDUCTIVITY IN PEDOT:PSS FILMS	poster
274	IBWAP 2018	Prof	Maria	ZORAN	National Institute of R&D for Optoelectronics INOE 2000	Bucharest-Magurele	Romania	5	APPLICATION OF REMOTELY SENSED THERMAL INFORMATION TO URBAN CLIMATOLOGY OF BUCHAREST CITY	poster
257	IBWAP 2018	Dr	Lucia	LEONAT	National Institute for Materials Physics	Magurele	Romania	5	ORGANIC CATION ENGINEERING FOR IMPROVED PEROVSKITE BASED SOLAR CELLS	poster
258	IBWAP 2018	Dr	Adelina	MOLDOVAN	National Institute for Earth Physics	Magurele	Romania	5	INVESTIGATION OF PROPAGATION BEHAVIOR OF VLF/LF RADIO WAVES OVER EUROPEAN SEISMOGENIC ZONES IN CORRE	poster
259	IBWAP 2018	Dr	Florin	MOSCALU	Ovidius University of Constanta	Constanta	Romania	5	GREEN SYNTHESIS OF HYBRID ZINC OXIDE NANOPOWDERS IN RED CACTUS PEAR (OPUNTIA FICUS-INDICA) JUICE	poster



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260	IBWAP 2018	Dr	Vasile	NASTUTA	"Grigore T Popa" University of Medicine	Iasi	Romania	5	PHYSICO-CHEMICAL PROPERTIES OF VINEYARD SOILS FROM EASTERN PART OF ROMANIA	poster
261	IBWAP 2018	Mr	Kuanysh	NAZAROV	Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research	Dubna	Russia	5	APPLICATION OF NEUTRON RADIOGRAPHY AND TOMOGRAPHY IN STUDIES OF CULTURAL HERITAGE OBJECTS	poster
262	IBWAP 2018	Dr	Liviu	OLTEANU	Institute of Multidisciplinary Research for Science and Technology	Targoviste	Romania	5	SPECTRAL CHARACTERISATION OF THE PORPHYRINS FOR DYE-SENSITIZED SOLAR CELLS (DSSC)	poster
263	IBWAP 2018	Dr	Anica	PLACINTA	National Institute for Earth Physics	Magurele	Romania	5	ACTIVE STRESS AND STRAIN FIELDS IN THE SOUTHEASTERN BORDER OF PANNONIAN BASIN CASE STUDY: WESTERN S	poster
264	IBWAP 2018	Dr	Cristina	PACHIU	IMT Bucuresti	Bucuresti	Romania	5	SURFACE ACOUSTIC WAVE DEVICES BASED ON UNCD FILMS	poster
265	IBWAP 2018	Dr	Mihaela	RACUCIU	"Lucian Blaga" University of Sibiu	Sibiu	Romania	5	EXPOSURE TO 50HZ SINUSOIDAL MAGNETIC FIELD MODIFIES THE DRINKING WATER QUALITY	poster
266	IBWAP 2018	Dr	Mihaela	RACUCIU	Lucian Blaga University of Sibiu	Sibiu	Romania	5	THE INFLUENCE OF 600MHZ RADIATION AT VARIOUS SPECIFIC ABSORPTIONS ON MITOTIC DIVISION PROCESS OF ZEA MAYS SEEDS	poster
267	IBWAP 2018	Dr	Oana	RAITA	INCDTIM Cluj-Napoca	Cluj-Napoca	Romania	5	THE DIGITAL ENERGY, ENERGY FROM THE FUTURE	poster
268	IBWAP 2018	Dr	Eugen	SCARLAT	University "Politehnica" of Bucharest	Bucharest	Romania	5	ADAPTIVE PHASE STEPS FOR DIFFRACTIVE PHASE ELEMENTS USING TWO PHOTON POLYMERIZATION	poster



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269	IBWAP 2018	Dr	Nicolae	STIRBESCU	Institute of Multidisciplinary Research for Science and Technology	Targoviste	Romania	5	SYNTHESIS OF SILVER NANOPARTICLES USING HYDROALCOHOLIC EXTRACT OF PRUNUS MAHALEB (MAHALEB CHERRY) AND MALUS PURPUREA (BLUTAPFEL)	poster
270	IBWAP 2018	Dr	Ana	STOCHIOIU	Horia Hulubei National Institute for C&D in Physics and Nuclear Engineering	Magurele	Romania	5	MAPPING THE AREA OF TE IFIN-HH IONIZING RADIATION METROLOGY, DOSIMTRY AND TESTING LABORATORY (CMRID) USING THERMOLUMINESCENT AREA DOSIMETRY	poster
275	IBWAP 2018	Prof	Maria	ZORAN	National Institute of R&D for Optoelectronics INOE 2000	Bucharest-Magurele	Romania	5	CLIMATE CHANGE AND ITS EFFECTS ON URBAN FOREST BIOGEOPHYSICAL PARAMETERS	poster
271	IBWAP 2018	Dr	Gyorgy	THALMAIER	Technical University of Cluj Napoca	Cluj-Napoca	Romania	5	INFLUENCE OF THE SAWDUST PORE FORMING AGENTS PORES SIZE ON THE COMPRESSON STRENGH OF SOME CLAY BRICKS	poster
272	IBWAP 2018	Dr	Victorin	TOADER	INCDFP	Magurele	Romania	5	EVALUATE THE SOLAR RADIATION IN A SEISMIC ZONE	poster
273	IBWAP 2018	Dr	Radu	TRUSCA	National Institute for Research and Development of Isotopic and Molecular Technologies	Cluj-Napoca	Romania	5	EFFICIENT MONITORING OF THE ENVIRONMENTAL FACTORS IN DATA CENTER	poster
276	IBWAP 2018	Prof	Maria	ZORAN	National Institute of R&D for Optoelectronics INOE 2000	Bucharest-Magurele	Romania	5	FOREST PHENOLOGY MONITORING BY REMOTE SENSING TECHNOLOGY	poster
277	IBWAP 2018	Mr	Bogdan	ZORILA	Horia Hulubei National Institute for	Magurele	Romania	5	SUPPORT DATABASE FOR FIRST RESPONDERS IN TRANSPORTATION	poster



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No	Conference	Title	First Name	Surname	Affiliation	City	Country	Section	Abstract Title	Presentation Type
					R&D in Physics and Nuclear Engineering				INCIDENT INVOLVING DANGEROUS MATERIALS	
278	IBWAP 2018	Ms	Adina M	BATRINCA	Regele Carol I" High School	Ostrov	Romania	6	USAGE OF INTERACTIVE METHODS IN TEACHING BIOLOGY	poster
279	IBWAP 2018	Ms	Ioana	KUNCSEK	University of Bucharest	Bucharest	Romania	6	TEACHING PHYSICS BY COMPUTER ASSISTED METHODS	poster
280	IBWAP 2018	Ms	Mirela	PISALTU	„Emil Racovita” High School	Constanta	Romania	6	ANALYTICAL READING	poster
281	IBWAP 2018	Ms	Narciza	TOPOR	Liceul Teoretic "Decebal"	Constanta	Romania	6	INTERDISCIPLINAR EXPERIMENTS AND FIELD TRIPS FOR HIGHSCHOOL STUDENTS	poster
282	IBWAP 2018	Ms.	Elena	MOCANU PARASCHIV	„Emil Racovita” High School Techirghiol	Constanta	Romania	6	TEACHING ENGLISH TO YOUNG LEARNERS	poster
283	IBWAP 2018	Ms.	Elena V	TRANDAFIR	Universitatea Alexandru Ioan Cuza	Iasi	Romania	1	INVESTIGATION OF RARE EARTH DOPED COBALT FERRITE THIN FILMS DEPOSITED BY PLD	poster
284	IBWAP 2018	Ms.	Francisca	HUSANU	Universitatea Alexandru Ioan Cuza	Iasi	Romania	1	LABORATORY MEASUREMENTS FOR THE CHARACTERIZATION OF THE PHYSICAL PARAMETERS OF GEOMATERIALS AND PLANETARY ANALOGUES	poster
285	IBWAP 2018	Ms.	Raluca M	SLAVE	Naval Academy “Mircea cel Batran”	Constanta	Romania	1	PARAMAGNETIC CENTERS IN NETTLE LEAFS: AN EPR STUDY	poster



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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

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Workshop Chairman

Date
20.05.2018

