

TIM 17 Physics Conference SESSION MATRIX

Thursday, 25th of May 2017	
Faculty of Physics 2nd Floor	
09:00	Participants Arrival
16:00	Registration Desks Open
18:00	Evening Cocktail Reception

WHERE TO FIND THE CONFERENCE ROOMS

- **Faculty of Physics** – go right as you enter the University until the very end of the Hallway, last entrance on right is ground floor (look for „Facultatea de Fizica” sign), stairs are at the end of the Hallway for 1st and 2nd floors (on both sides of the Faculty hallways)
- **Aula Magna** - the grand amphitheatre of the University, located on the 1st floor of the entry hallway
- **A01** – go right as you enter the University, first amphitheatre on your left (entrance from main hall or from side corridor)
- **F205** – Faculty of Physics 2nd Floor (**Registration room**)
- **F206** – Faculty of Physics 2nd Floor
- **Conference Banquet** –Jardin Bistro, Bd. Vasile Parvan 5, Timisoara

For any issues you may have during your stay, feel free to ask one of the organizers who will have marked badges!

Note that the Registration desk will be available throughout the conference duration.

Friday, 26th of May 2017

Hour	Aula Magna	F206	F203	F103
08:00	REGISTRATION (F205)			
08:50 10:30	Opening Ceremony Plenary Session 1			
10:30 11:00	Coffee Break			
11:00 12:30	Plenary Session 2			EP Session
12:30 13:30	Lunch Break <i>Jardin Bistro, Bd. Vasile Parvan 5, Timisoara</i>			
13:30 15:30	API Session 1	TCP Session 1	CMP Session 1	

Friday, 26th of May 2017

Hour	Aula Magna	F206	F203	F103
15:30 16:00	Coffee Break			
16:00	API Session 2	TCP Session 2	CMP Session 2	
18:00	Coffee Break Poster Session 1 (TCP+CMP) <i>Faculty of Physics, 2nd Floor</i>			
18:00	Coffee Break Poster Session 1 (TCP+CMP) <i>Faculty of Physics, 2nd Floor</i>			
19:00	Coffee Break Poster Session 1 (TCP+CMP) <i>Faculty of Physics, 2nd Floor</i>			
20:00	Conference Banquet			

Saturday, 27th of May 2017

Hour	A01	F206	F203	F103
09:00 10:30	Plenary Session 3			
10:30	Coffee Break Poster Session 2 (API) <i>Faculty of Physics, 2nd Floor</i>			
11:30	Coffee Break Poster Session 2 (API) <i>Faculty of Physics, 2nd Floor</i>			
11:00		TCP Session 3		
12:30				

Friday, 26th of May 2017

Aula Magna

08:00-08:50

MORNING REGISTRATION (**Room F205**)

Plenary Session 1

Chairman: Lucian Dascalescu

08:50-09:00

OPENING CEREMONY

09:00-09:30

PL-01

CHARMM FORCE FIELD DEVELOPMENT AND MOLECULAR DYNAMICS SIMULATIONS OF CATIONIC POLYMERS FOR GENE DELIVERY

Titus Beu and Alexandra Farcaş

09:30-10:00

PL-02

ADVANCES IN PROBE DIAGNOSTICS FOR LINEAR PLASMA GENERATORS

Claudiu Costin, Viorel Anita, Gheorghe Popa, John Scholten and Gregory de Temmerman

10:00-10:30

PL-03

PHOTOELECTRON SPECTROSCOPIC AND MICROSPECTROSCOPIC PROBES OF FERROELECTRICS

Cristian Mihail Teodorescu

Faculty of Physics – 2nd Floor

10:30-11:00

Coffee Break

Friday, 26th of May 2017

Aula Magna

Plenary Session 2

Chairman: Michal Piasecki

11:00-11:30	PL-04	EXTREME LIGHT INFRASTRUCTURE NUCLEAR PHYSICS – PRESENT STATUS OF THE PROJECT <u>Dan Gabriel Ghita</u>
11:30-12:00	PL-05	TRANSITION METAL IONS IN OPTICAL MATERIALS <u>Mikhail Brik</u> , Michal Piasecki, Nikolae Avram and Calin Avram
12:00-12:30	PL-06	TRIBOELECTRIC CHARGING AND ELECTROSTATIC SEPARATION OF MIXED GRANULAR PLASTICS <u>Lucian Dascalescu</u> , Thami Zeghloul, Mihai Lungu and Csaba Dani

Jardin Bistro, Bd. Vasile Parvan 5, Timisoara

12:30-13:30	LUNCH
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Friday, 26th of May 2017

Aula Magna

API Session 1

Chairman: *Claudiu Costin*

13:30-14:00	AI-I01	MEDICAL RADIOISOTOPE PRODUCTION STUDIES AT ELI-NP [<i>invited</i>] <u>Florin Negoita</u>
14:00-14:30	AI-I02	PORPHYRINS AND THEIR Zn DERIVATIVES INVOLVED IN TAILORING OF MULTIFUNCTIONAL NANOMATERIALS [<i>invited</i>] <u>Eugenia Fagadar-Cosma</u> , Mihaela Birdeanu, Anca Lascu, Iuliana Sebarchievici, Ionela Fringu, Mirela Vaida and Anca Palade
14:30-14:45	AI-O01	MANGANIUM OXIDE DOPING INFLUENCE ON THE GROWTH OF HYDROXYAPATITE LAYER BUILD ON THE Na ₂ O-CaO-B ₂ O ₃ -SiO ₂ -P ₂ O ₅ GLASS SURFACES <u>Pawel Ficek</u> , Piotr Bragiel, Nalluri Veeraiah and Zygmunt Bak
14:45-15:00	AI-O02	BEAMLINES CONTROL AND AUTOMATION AT CETAL-PW LASER FACILITY Mihail Barbuta, Mihai Serbanescu, <u>Alexandru Achim</u> and Aurelian Marcu
15:00-15:15	AI-O03	FREQUENCY-RANK DISTRIBUTIONS OF ROMANIAN WORDS Adrian Cocioceanu, Carina Mihaela Raportaru and <u>Alexandru I. Nicolin</u>
15:15-15:30	AI-O04	STRUCTURAL AND MOLECULAR DETERMINANTS OF THE MAP6D1 PEPTIDES INTERACTION WITH TUBULIN AND CALMODULIN <u>Liliana Lighezan</u> , Marie-Jeanne Clément, Paul Guichard, Elisabeth Adjadj, Annie Andrieux, Alain Mechulam, Christophe Bosc, Marie-Odile David, Vandana Joshi, Constantin T. Crăescu, Adriana Isvoran, Adrian Neagu, Daniel Vizman and Patrick A. Curmi

Faculty of Physics – 2nd Floor

15:30-16:00

Coffee Break

Friday, 26th of May 2017

F203

CMP Session 1

Chairman: Cristian Mihail Teodorescu

13:30-14:00	CM-I01	PURE AND Yb-DOPED $\text{La}_x\text{Gd}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$ INCONGRUENT BORATE TYPE CRYSTAL: CZOCHRALSKI GROWTH, NLO PROPERTIES, AND LASER PERFORMANCES [<i>invited</i>] Lucian Gheorghe , Flavius Voicu, Madalin Greculeasa, Alexandru Achim, Federico Khaled, Pascal Loiseau, Gerard Aka, Stefania Hau, Cristina Gheorghe and Gabriela Croitoru
14:00-14:30	CM-I02	SINGLE CRYSTAL PHOSPHORS FOR HIGH-BRIGHTNESS WHITE LEDS AND LDS [<i>invited</i>] Stelian Arjoca and Kiyoshi Shimamura
14:30-14:45	CM-O01	TEMPERATURE AND STRUCTURAL DEPENDENCE OF THE LUMINESCENCE PROPERTIES OF RARE EARTH IONS IN CHALCOGENIDE AND OXIDE GLASSES Naluri Veeraiah, Volodymyr Halyan, Iwan Kityk, Mikhail Brik and Michal Piasecki
14:45-15:00	CM-O02	REGULAR PATTERNS CREATED BY FEMTOSECOND LASER PULSES Barnabás Gílicze , Péter István Szabó, Zsolt Homik, Márió Moczok, Zsolt Tóth and László Nánai
15:00-15:15	CM-O03	INFLUENCE OF TARGET CURVATURE ON PARTICLE BEAM FOCUSING AND MAXIMUM PARTICLE ENERGY IN LASER-PLASMA ACCELERATION AT ULTRA HIGH INTENSITY Dragos Tatomiurescu , Alexandra Popescu, Emmanuel D'Humieres and Daniel Vizman
15:15-15:30	CM-O04	Mn_2 -TYPE HEUSLER COMPOUNDS AS POSSIBLE HALF-METALLIC FULLY COMPENSATED FERRIMAGNETS Diana Benea , Radu Gavrea, Marin Coldea, Olivier Isnard and Viorel Pop

Faculty of Physics – 2nd Floor

15:30-16:00

Coffee Break

Friday, 26th of May 2017

F206

TCP Session 1

Chairman: Eugen Radu

13:30-14:00	TC-I01	GENERALIZED ACTION-ANGLE VARIABLES IN TORIC CONTACT SPACES [<i>invited</i>] <u>Mihai Visinescu</u>
14:00-14:30	TC-I02	KERR BLACK HOLES WITH ULTRALIGHT BOSONIC HAIR: THEORY AND PHENOMENOLOGY [<i>invited</i>] <u>Carlos A. R. Herdeiro</u> and Eugen Radu
14:30-14:45	TC-O01	SIMPLE KINEMATIC EFFECTS ON DE SITTER SPACETIMES <u>Ion Cotaescu</u>
14:45-15:00	TC-O02	QUANTUM CORRECTIONS IN THERMAL STATES OF FERMIONS ON ANTI-DE SITTER SPACE-TIME <u>Victor Eugen Ambrus</u> and Elizabeth Winstanley
15:00-15:15	TC-O03	MATHIEU FUNCTIONS DESCRIBING PARTICLES EVOLVING IN ELECTROMAGNETIC WAVES <u>Denisa-Andreea Miha</u> and Marina-Aura Dariescu
15:15-15:30	TC-O04	THE HIGGS SECTOR OF A 3-4-1 GAUGE MODEL <u>Adrian Palcu</u>

Faculty of Physics – 2nd Floor

15:30-16:00	Coffee Break
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Friday, 26th of May 2017

Aula Magna

API Session 2

Chairman: Florin Negoita

16:00-16:30	AI-I03	PROJECT FOR A POSITRON LABORATORY AT ELI-NP. POSITRONS AS PROBES TO STUDY MATERIALS <i>[invited]</i> <u>Nikolay Djourelou</u> , Andreea Oprisa, Victor Leca and Doru Dinescu
16:30-17:00	AI-I04	TRANSYLVANIA ENERGY CLUSTER – FROM LAB TO THE MARKET <i>[invited]</i> <u>Oana Raita</u> , Adrian Bot and Adela Vadastreanu
17:00-17:15	AI-O05	THE EFFECT OF THE PRESSURE DIFFERENCE ACROSS THE FREE SURFACE IN CASE OF AN NdYAG MICRO FIBER GROWTH BY THE MICRO-PULLING-DOWN PROCESS Agneta Balint and <u>Stefan Balint</u>
17:15-17:30	AI-O06	MONTE CARLO SIMULATIONS AND MEASUREMENTS FOR EFFICIENCY DETERMINATION OF LEAD SHIELDED PLASTIC SCINTILLATOR DETECTORS Zafar Yasin, Florin Negoita, Sana Tabbassum and <u>Ruxandra Borcea</u>
17:30-17:45	AI-O07	A RETROSPECTIVE DOSIMETRICAL STUDY IN BREAST IRRADIATION <u>Ioana Scarlatescu</u> , Bogdan Ile, Marius Spunei and Nicolae Avram
17:45-18:00	AI-O08	ASSESSMENT OF URBAN HEAT ISLAND FOR CRAIOVA FROM SATELLITE-BASED LST <u>Mihaela Tinca Udristoiu</u> , Liliana Velea, Roxana Bojariu and Silviu Constantin Sararu

Faculty of Physics, 2nd Floor

18:00-19:00

Coffee Break and TCP+CMP Poster Session

Friday, 26th of May 2017

F203

CMP Session 2

Chairman: Lucian Gheorghe

16:00-16:30	CM-I03	SANS METHOD APPLICATION TO THE MAGNETIC AND MAGNETORHEOLOGICAL ELASTOMER STRUCTURE INVESTIGATION [<i>invited</i>] <u>Maria Balasoiu</u> , Madalin Bunoiu and Ioan Bica
16:30-17:00	CM-I04	WIGNER CRYSTAL PHASES IN CONFINED CARBON NANOTUBES [<i>invited</i>] Lorinc Sarkany, Edina Szirmai, <u>Catalin Pascu Moca</u> , Leonid Glazman and Gergely Zarand
17:00-17:15	CM-O05	TRANSIENT MAGNETO-RHEOLOGICAL EFFECT IN FERROFLUIDS DUE TO MAGNETICALLY INDUCED PHASE CONDENSATION <u>Vlad Socoliuc</u> , Ladislau Vekas and Daniela Susan-Resiga
17:15-17:30	CM-O06	STUDY OF SOME PHYSICAL PROPERTIES OF AZO THIN FILMS DEPOSITED AS SINGLE-LAYER AND TRI-LAYER STRUCTURES <u>Laura Hroșteea</u> , Francisca Hușanu, Mihaela Girtan, Liviu Leontie and Silviu Gurlui
17:30-17:45	CM-O07	TRIPLE DOT SYSTEM COUPLED TO TOPOLOGICAL INSULATORS: A NRG ANALYSIS OF THE SU(3) ATTRACTIVE ANDERSON MODEL Cătălin Pașcu Moca, Adrian Roman, Monica Toderas and <u>Răzvan Chirla</u>
17:45-18:00	CM-O08	PARAMETERS EXTRACTION FOR THE ONE-DIODE MODEL OF A SOLAR CELL <u>Andreea Sabadus</u> , Valentin Mihailetchi and Marius Paulescu

Faculty of Physics, 2nd Floor

18:00-19:00	Coffee Break and TCP+CMP Poster Session
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Friday, 26th of May 2017

F206

TCP Session 2

Chairman: Mihai Visinescu

16:00-16:30	TC-I03	EINSTEIN–MAXWELL–ANTI-DE-SITTER SOLITONS AND BLACK HOLES [<i>invited</i>] <u>Eugen Radu</u> and Carlos Herdeiro
16:30-17:00	TC-I04	SYMMETRIC SPACES OF BD.I-TYPE AND NEW 2-COMPONENT INTEGRABLE EQUATIONS OF NLS TYPE [<i>invited</i>] <u>Vladimir Gerdjikov</u>
17:00-17:15	TC-O05	EXCITATION OF AN INERTIAL UNRUH DETECTOR IN THE MINKOWSKI VACUUM: A NUMERICAL CALCULATION USING SPHERICAL MODES <u>Nistor Nicolaevici</u>
17:15-17:30	TC-O06	HAMILTONIAN REDUCTION OF THE HIGHER DERIVATIVE MAXWELL-CHERN-SIMONS-PROCA MODEL <u>Silviu-Constantin Sararu</u> and Mihaela-Tinca Udristioiu
17:30-17:45	TC-O07	EFFICIENT NUMERICAL METHOD FOR INVESTIGATING DIATOMIC MOLECULES IN INTENSE AND ULTRASHORT LASER FIELDS <u>Gellért Zsolt Kiss</u> , Sándor Borbély and Ladislau Nagy
17:45-18:00	TC-O08	LATTICE BOLTZMANN STUDY OF FLOWS IN NON-CARTESIAN GEOMETRIES USING THE VIELBEIN FORMALISM <u>Sergiu Busuioac</u> and Victor E. Ambrus

Faculty of Physics, 2nd Floor

18:00-19:00

Coffee Break and TCP+CMP Poster Session

Saturday, 27th of May 2017

A01

Plenary Session 3

Chairman: Titus Beu

09:00-09:30	PL-07	LASER SCANNING SYSTEMS FOR HIGH-END APPLICATIONS <u>Virgil-Florin Duma</u>
09:30-10:00	PL-08	IN SILICO MODELLING OF RADIATION EFFECTS TOWARDS PERSONALISED TREATMENT IN RADIOTHERAPY <u>Loredana Marcu</u>
10:00-10:30	PL-09	DENSITY WAVES IN BINARY IN BOSE-EINSTEIN CONDENSATES Carina Mihaela Raportaru, <u>Alexandru Nicolin</u> and Antun Balaz

Faculty of Physics, 2nd Floor

10:30-11:30	Coffee Break and API Poster Session
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Saturday, 27th of May 2017

F206

TCP Session 3

Chairman: Adrian Palcu

11:00-11:30	TC-I05	MASSIVE SPIN-ONE FIELD FROM COUPLINGS WITH FIVE MASSLESS REAL SCALARS [<i>invited</i>] Constantin Bizdadea, <u>Eugen-Mihaita Cioroianu</u> and Solange-Odile Saliu
11:30-12:00	TC-I06	TACHYON FIELD AS A CONSTRAINED SYSTEM [<i>invited</i>] <u>Dragoljub Dimitrijevic</u> , Goran Djordjevic, Milan Milosevic, Marko Dimitrijevic, Danilo Delibasic and Marko Stojanovic
12:00-12:15	TC-O09	NUCLEAR STRUCTURE OF SUPERHEAVY ELEMENTS FROM ALPHA DECAY AND FISSION DATA <u>Ion Silisteanu</u> and Claudia-Ioana Anghel
12:15-12:30	TC-O10	RELATIVISTIC SHOCKS IN NON-CARTESIAN GEOMETRIES <u>Robert Blaga</u> and Victor Eugen Ambrus

TCP Posters

TC-P01	SCATTERING OF MASSLESS FERMIONS BY BLACK HOLES Ciprian Sporea
TC-P02	EXPERIMENTAL DATA, SHELL MODEL, AND ONE-BODY FITS FOR A HALF-LIVES OF NUCLEI WITH $Z=104-118$ Claudia-Ioana Anghel and Ion Silisteanu
TC-P03	PROBABILITY OF FERMION PAIR PRODUCTION IN EXTERNAL ELECTRIC FIELD Mihaela-Andreea Baloi
TC-P04	STUDY OF TRANSITION AMPLITUDE OF FERMION PAIR PRODUCTION IN ELECTRIC FIELD ON DE SITTER SPACETIME Mihaela-Andreea Baloi
TC-P05	SCALAR WAVE PACKET ON DE SITTER UNIVERSE Alin Chilom
TC-P06	THEORETICAL INVESTIGATION BEYOND THE STRONG FIELD APPROXIMATION MODEL Gellért-Zsolt Kiss, Katalin Kovács and Valer Toşa
TC-P07	THEORETICAL STUDY OF THE DIHYDROGEN CATION IRRADIATED WITH INTENSE XUV LASER FIELD Gellért-Zsolt Kiss, Sándor Borbély and Ladislau Nagy
TC-P08	NUMERICAL COMPUTATION OF OBSERVATIONAL PARAMETERS FOR INFLATIONARY COSMOLOGICAL MODELS Danilo Delibasic, Dragoljub Dimitrijevic, Goran Djordjevic, Milan Milosevic and Marko Stojanovic
TC-P09	EFFECTIVE ONE- AND TWO-DIMENSIONAL EQUATIONS FOR THE DYNAMICS OF THREE-DIMENSIONAL BOSE-EINSTEIN CONDENSATES Carina Mihaela Raportaru, Alexandru Nicolin and Antun Balaz
TC-P10	SOLUTIONS OF THE KLEIN-GORDON EQUATION IN CERTAIN NEW DIAGONAL DE SITTER METRICS Gabriel Pascu
TC-P11	REACTIVE COLLISIONS OF ELECTRONS WITH H_2^+ , BeH^+ AND THEIR ISOTOPOMERS Nicolina Pop, Felix Iacob, J. Zsolt Mezei, Ousmanou Motapon, Sebastien Niyonzima and Ioan F. Schneider

Please make sure you arrive in time to put your poster up before the sessions begin.

API Posters

AI-P01	TRACKING SYSTEM TO INCREASE PHOTOVOLTAIC PANELS ENERGY EFFICIENCY Adrian Bot, Vasile Rednic, Emil Bruj, Radu Pop, Bogdan Belean, Gabriel Rosca, Teodora Scheul and Oana Raita
AI-P02	MEASUREMENTS OF NATURAL RADIOACTIVITY AND RADIATION HAZARDS IN BUILDING MATERIALS AVAILABLE IN ROMANIA Marian Romeo Calin and Ileana Radulescu
AI-P03	FEMTOSECOND LASER INTERACTION WITH METALS AND ELECTROMAGNETIC WAVES GENERATION Aurelian Marcu, Achim Alexandru, Mihai Serbanescu, Andreea Groza, Mihai Ganciu, Bogdan Mihalcea, Razvan Ungureanu, Gabriel Cojocaru, Constantin Diplasu and Georgiana Giubega
AI-P04	STRUCTURAL AND MORPHOLOGICAL CHARACTERIZATION OF INSULATORS USED IN ROTATING MACHINES Ioana Daniela Dulama, Ion V. Popescu, Gabriela Telipan, Bogdan Varaticeanu, Cristiana Radulescu, Claudia Stihi, Sofia Teodorescu, Raluca Stirbescu and Ioan Alin Bucurica
AI-P05	ASSESSMENT OF DIFFERENT MODELS FOR COMPUTING THE PROBABILITY OF A CLEAR LINE OF SIGHT Sorin Bojin, Marius Paulescu and Viorel Badescu
AI-P06	COMPLEX INVESTIGATION OF LAKE SEDIMENT CORES FROM CAINENI LAKE, EASTERN ROMANIAN PLAIN Cristiana Radulescu, Octavian Dului, Petre Bretcan, Danut Tanislav, Claudia Stihi, Ioana Daniela Dulama, Raluca Maria Stirbescu, Sofia Teodorescu, Tiberiu Sava, Ioan Alin Bucurica and Elena Daniela Chelarescu
AI-P07	OPTIMIZATION OF MULTICORE-SHELL FE_3O_4 - SIO_2 MAGNETIC NANOCOMPOSITES SYNTHESIS AND RETENTION IN CELLULOSE PULP Dan Buteica, Istvan Borbath, Ionel Valentin Nicolae, Rodica Turcu, Oana Marinica and Vlad-Mircea Socoliuc
AI-P08	HIGH AMPLITUDE OSCILATING MAGNETIC FIELD APPLICATOR FOR REMOTE MAGNETIC NANOPARTICLE DETECTION Ionel Valentin Nicolae and Vlad Socoliuc
AI-P09	RESEARCHES ON THE EFFECTS OF ACOUSTIC EXCITATION ON THE CHARACTERISTICS OF A JET FLAME Mihai Lungu, Adrian Neculae, Nicolae Strambeanu and Doru Paunescu

AI-P10	A STUDY OVER THE RECENT IMPORTANT REDUCTION OF NO _x EMISSIONS FROM SEVERAL POWER PLANTS LOCATED IN EUROPE AS A RESULT OF THE IMPLEMENTATION OF THE EU DIRECTIVES Corina Bocăneală and Daniel-Eduard Constantin
AI-P11	INFLUENCE OF PRECURSORS ON THE FORMATION OF ZnTa ₂ O ₆ PSEUDO-BINARY OXIDE MATERIAL Mirela Vaida, Aurel - Valentin Bîrdeanu and Mihaela Birdeanu
AI-P12	HVOF Al ₂ O ₃ POWDER DEPOSITION AND PLD OF PSEUDO-BINARY OXIDES DUPLEX SURFACE ENGINEERING TREATMENT FOR CORROSION PROTECTION Aurel -Valentin Bîrdeanu, Ion Aurel Perianu, Dubravka S. Milovanovic and Mihaela Birdeanu
AI-P13	THE STUDY OF THE ACCUMULATION OF HEAVY METALS IN CEREALS GROWN ON SEWAGE SLUDGE-TREATED FERTILE SOIL Iulian Bancuta, Oana Roxana Bancuta, Simona Mihai, Tanta Setnescu, Viorel Alexe Miron, Radu Setnescu, Ion V. Popescu, Otilia Culicov and Anca Gheboianu
AI-P14	THE INFLUENCE OF DIFFERENT TYPES OF PESTICIDES ON FRUIT TREES, APPLES AND PLUMS Anca Irina Gheboianu, Tanta Setnescu, Otilia Culicov, Radu Setnescu and Iulian Bancuta
AI-P15	PULSED LASER ABLATION OF A SOLID TARGET IN A LIQUID ENVIRONMENT Mariana Osiac, Maria Andreea Dinu and Mihaela Tinca Udristioiu
AI-P16	VERIFICATION OF THE ACCURACY OF SOME SHORT-TERM SOLAR IRRADIANCE FORECASTING MODELS Nicoleta Stefu, Oana Mares, Ciprian Dughir and Marius Paulescu
AI-P17	A SIMPLIFIED AND ACCURATE UV INDEX MODEL Eugenia Paulescu, Vlad Iman, Ciprian Dughir, Nicoleta Stefu and Marius Paulescu
AI-P18	DEVELOPMENT OF Ti-Nb-Zr SHAPE MEMORY ALLOYS Gheorghe-Amadeus Chilnicean, Roxana Sprancenatu and Corneliu Marius Craciunescu
AI-P19	Zr-Fe-BASED ALLOYS FOR HYDROGEN STORAGE APPLICATIONS Cristian Bordeanu, Andrei Novac and Corneliu Marius Craciunescu

AI-P20	REMOTE SENSING OF NO2 USING ULM-DOAS OBSERVATIONS IN SOUTH-EAST OF ROMANIA DURING 2014-2016 Spiru Paraschiv and Daniel-Eduard Constantin
AI-P21	INTELLIGENT RADIOPHARMACEUTICALS PRODUCTION PLANNING USING A HOLONIC MANUFACTURING EXECUTION SYSTEM AND SCADA ENVIRONMENT MONITORING Andrei-Octavian Silisteanu, Claudia-Ioana Anghel and Filip Daniel Puicea
AI-P22	MAGNETODIELECTRIC MEMBRANES: EFFECTS OF THE MAGNETIC FIELD ON THE DIELECTRIC LOSS TANGENT Maria Bălășoiu, Mădălin Bunoiu, Liviu Chirigiu, Larisa Marina Elisabeth Chirigiu, Gabriel Pascu and Ioan Bica
AI-P23	A TEMPERATURE ANALYSIS IN MAGNETIC HYPERTHERMIA Iordana Astefanoaei and Alexandru Stancu
AI-P24	THE ENERGY EIGENSTATES IN QUANTUM DOT NANOSTRUCTURES Iordana Astefanoaei and Alexandru Stancu

Please make sure you arrive in time to put your poster up before the sessions begin.

CMP Posters

CM-P01	THE ACCEPTORS BEHAVIOR IN THE SINGLE AND DOUBLE DOPED $\text{Bi}_{12}\text{TiO}_{20}$ Petya Petkova, Petko Vasilev and Ivaylo Parushev
CM-P02	LUMINESCENCE PROPERTIES AND ENERGY TRANSFER OF Sm^{3+} AND Dy^{3+} CO-DOPED $\text{Ca}_3(\text{Li}, \text{Nb}, \text{Ga})_5\text{O}_{12}$: Ce^{3+} NOVEL PHOSPHORS UNDER UV EXCITATION Stefania Hau, Cristina Gheorghe, Lucian Gheorghe, Ioana Porosnicu and Alina Crisan
CM-P03	A LOW COST PHOTOCATALYTIC PROCESSES THAT USES BLUE LIGHT Radu Banica, Petrica-Andrei Linul and Cristina Mosoarca
CM-P04	PdS/ZnS-CdS BASED PHOTOCATALYSTS FOR PHOTOCHEMICAL WATER SPLITTING Radu Banica, Petrica-Andrei Linul, Andrei Racu and Cristina Mosoarca
CM-P05	THE EFFECT OF HELIUM IMPLANTATION INTO WO_3 FILMS AND THEIR POSSIBLE APPLICATIONS Florina Stefania Rus, Stefan Novaconi, Iuliana Sebarchievici, Firuta Fitigau, Thomas Zac Ward and Andreas Herklotz
CM-P06	MAGNETIC PROPERTIES OF $x(\text{Fe}_2\text{O}_3) \cdot (100-x)[\text{P}_2\text{O}_5 \cdot \text{Li}_2\text{O}]$ AND $x(\text{Fe}_2\text{O}_3) \cdot (100-x)[\text{P}_2\text{O}_5 \cdot \text{CaO}]$ GLASS SYSTEMS Constantin Andronache and Dania Racolta
CM-P07	CZOCHEMICAL GROWTH OF $\text{La}_x\text{Gd}_y\text{Sc}_z(\text{BO}_3)_4$ ($x + y + z = 4$) NONLINEAR OPTICAL CRYSTAL Madalin Greculeasa, Lucian Gheorghe, Flavius Voicu, Alexandru Achim, Federico Khaled, Pascal Loiseau and Gérard Aka
CM-P08	GROWTH AND OPTICAL PROPERTIES OF Sm^{3+} DOPED $\text{Ca}_3(\text{Nb}, \text{Ga})_5\text{O}_{12}$ AND $\text{Ca}_3(\text{Li}, \text{Nb}, \text{Ga})_5\text{O}_{12}$ SINGLE CRYSTALS Flavius Voicu, Lucian Gheorghe, Madalin Greculeasa, Alexandru Achim, Cristina Gheorghe and Stefania Hau
CM-P09	SPECTROSCOPIC PROPERTIES OF YbF_3 -DOPED $(\text{Ba}/\text{Ca})\text{F}_2$ CRYSTALS BEFORE AND AFTER X-RAY IRRADIATION Marius Stef, Irina Nicoara, Gabriel Buse and Stefan Kis
CM-P10	THE INFLUENCE OF Ca CONCENTRATION ON THE PHYSICO-CHEMICAL PROPERTIES OF PEROVSKITE TYPE ABO_3 MATERIALS Paula Sfirloaga, Maria Poienar, Antoanetta Lungu, Iosif Malaescu and Paulina Vlazan
CM-P11	THE INFLUENCE OF Bi AND Zr DOPING ON THE PHYSICO-CHEMICAL PROPERTIES OF NaNbO_3 THIN FILMS USED IN SENSORS Paulina Vlazan, Maria Poienar, Daniel Ursu, Mihaela Birdeanu, Anamaria Dabici and Paula Sfirloaga

CM-P12	ELECTRICAL RELAXATION PROCESSES IN SOME $Mn_{1-x}Me_xFe_2O_4$ NANOPOWDERS Antoanetta Lungu, Iosif Malaescu, Catalin N. Marin, Paul C. Fannin, Paula Sfirloaga and Paulina Vlazan
CM-P13	THE AC-CONDUCTIVITY OF CREDNERITE $Cu_{1+x}Mn_{1-x}O_2$ (x=0 AND 0.06) Dan Malaescu, Maria Poienar, Antoanetta Lungu, Iosif Malaescu, Paula Sfirloaga, Paulina Vlazan, Ana Maria Dabici, Catalin N. Marin and Silviu Brindusoiu
CM-P14	INFLUENCE OF THE Cu DOPING ON THE ELECTRONIC STRUCTURE AND MAGNETIC PROPERTIES OF THE Mn_2VAl HEUSLER COMPOUND Radu-Cristian Gavrea, Alfred Bolinger, Viorel Pop, Olivier Isnard, Marin Coldea and Diana Benea
CM-P15	HIDROTHERMAL DECOMPOSITION OF Fe (II)-EDTA COMPLEX Marius Chirita and Liviu Mocanu
CM-P16	ROLE OF CARBON NANOFIBER IN TiO_2 -MODIFIED ACTIVATED CARBON PERFORMANCE AS SORBENT AND PHOTOCATALYST Corina Orha, Carmen Lazau and Florica Manea
CM-P17	RARE EARTH DOPED COBALT FERRITE THIN FILMS OBTAINED BY PULSED LASER DEPOSITION Francisca Huşanu, Oana Rusu, Georgiana Bulai and Silviu Gurlui
CM-P18	DEPOSITION, STRUCTURAL AND MORPHOLOGICAL PROPERTIES STUDIES OF BISMUTH OXIDE THIN FILMS Oana Şuşu, Liviu Leontie, Aurelian Cârlescu, Georgiana Bulai, Francisca Huşanu, Corneliu Doroftei, Silviu Gurlui, Alexandra Demeter and George Stoian
CM-P19	THE CRYSTAL STRUCTURE OF RARE-EARTH IMPURITY CENTERS R^{3+} IN $Y_3Al_5O_{12}$: AB INITIO CALCULATIONS Vladimir Chernyshev, Alexander Serdcev, Vladislav Petrov, Anatoliy Nikiforov, Calin Avram and Nicolae Avram
CM-P20	THE INFLUENCE OF THE PREHEATING OF FERROFLUIDS ON THE SPECIFIC LOSS POWER Paul C. Fannin, Iosif Malaescu and Catalin N. Marin
CM-P21	STUDY OF PIEZOCERAMIC FILLER ON THE PROPERTIES OF PZT-PVDF COMPOSITES Alina Matei, Vasilica Tucureanu, Paulina Vlazan, Ileana Cernica, Marian Popescu and Cosmin Romanita

Please make sure you arrive in time to put your poster up before the sessions begin.

Friday, 26th of May 2017

F103

EDUCATION IN PHYSICS

Chairman: Marin Popescu

11:00-11:30	EP-O01	STRUCTURE OF KNOWLEDGE AND STUDENT MISCONCEPTIONS IN PHYSICS <u>Imre Kuczmann</u>
11:30-12:00	EP-O02	PHYSICS ESCAPE ROOM AS AN EDUCATIONAL TOOL Vörös Alpár István Vita and <u>Zsuzsa Sárközi</u>
12:00-12:30	EP-O03	BOOSTING PHYSICS EDUCATION THROUGH MOBILE AUGMENTED REALITY <u>Dana Craciun</u> and Mădălin Bunoiu

EP Posters

EP-P01	EXPERIMENTUL ÎN LECȚIA DE FIZICĂ Gheorghe Daniel Lascu and Gabriela-Elena Lascu
EP-P02	MODELAREA FENOMENELOR FIZICE PRIN UTILIZAREA EXPERIMENTELOR VIRTUALE Antoanetta Lungu, Simona Constandache and Aurelia Voichescu
EP-P03	ETAPELE CONSTRUIRII ȘI UTILIZĂRII MODELULUI ÎN PROCESUL DIDACTIC Ramona Stănescu

Jardin Bistro, Bd. Vasile Parvan 5, Timisoara

12:30-13:30	LUNCH
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