

TIM 2013 SESSION MATRIX

Thursday, 21st of November 2013	
Faculty of Physics 1st Floor	
09:00	Participants Arrival
16:00	Registration Desks Open
19:00	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** – go up from the University entrance one floor through the main stairway
- **F203** – Faculty of Physics 2nd Floor
- **F205** – Faculty of Physics 2nd Floor
- **F206** – Faculty of Physics 2nd Floor
- **F21** – Faculty of Physics Ground Floor
- **A01** – go right as you enter the University, first amphitheatre on your left (entrance from main hall or from side corridor)
- **Conference Banquet** – „Cantina Politehnica”, Str. Alexandru Vaida-Voievod, Student Campus, Timisoara

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

Friday, 22nd of November 2013					
	Aula Magna	F203	F205	F206	F21
08:00	REGISTRATION				
08:30	Opening Ceremony Plenary Session 1				
09:00					
09:30					
10:00					
10:30	Coffee Break				
11:00	Poster Session 1 (CMP+TCP)				
11:30	<i>Aula Magna Reception Hall</i>				
12:00	Plenary Session 2				
12:30					
13:00					
13:30	Lunch Break				
14:00	<i>Faculty of Physics 1st Floor</i>				
14:30					
15:00		TCP Session 1 SEENET-MTP Workshop	CMP Session 1	API Session 1	HPC Workshop
15:30					
16:00					
16:30					

Friday, 22nd of November 2013					
	Aula Magna	F203	F205	F206	F21
17:00		Coffee Break	Coffee Break Poster Session 2 (AIP) <i>Aula Magna Reception Hall</i>		
17:30		TCP Session 2			
18:00					
18:30					
19:00					
20:00	Conference Banquet				

Saturday, 23rd of November 2013					
Hour	A01	F206	F203	F205	F21
09:00 09:30	Young Scientist Lectures				
10:00	Coffee Break (<i>Faculty of Physics 2nd Floor</i>)				
10:30 11:00 11:30 12:00	AIP Session 2	TCP Session 3	CMP Session 2	EP Session 1 Poster Session 3 (EP)	SEENET-MTP Committee Meeting
12:30	Meeting and Departure to Recas (<i>University Main Entrance</i>)				

Sunday, 24th of November 2013	
09:00	Participants Departure

Monday, 25th of November	
09:00	JINR Romanian School on Small Angle Neutron Scattering

The schedule for the SANS School beginning on Monday the 25th of November will be made available to all participants in a separate document.

All participants should note that the Registration desk will be available throughout the conference duration.

Friday, 22nd of November 2013

Aula Magna

08:00-08:30

MORNING REGISTRATION

Plenary Session 1

Chairman: Daniel Vizman

08:30-09:00

OPENING CEREMONY

09:00-09:30

PL-01

ORDER TO CHAOS TRANSITIONS IN LOW-TEMPERATURE PLASMA

Dan-Gheorghe Dimitriu and Sebastian Popescu

09:30-10:00

PL-02

SELF ORGANISATION OF NANOCRYSTALS BY DEWETTING AND GROWTH OF THIN FILMS, ON PRE-PATTERNED SUBSTRATES

L. Favre, A. Mansour, E. Gomes, G. Amiard, A. Ronda, I. Berbezier, V. Morin, A. Delobbe, P. Sudraud, I. C. Marcus, M. I. Alonso, M. Bollani and R. Sordan

10:00-10:30

PL-03

DYNAMICS OF CONFINED AND HYDRATION WATER. FROM CEMENTS TO PEPTIDES

Jose Teixeira, Daniela Russo and Subhasish Mazumder

Aula Magna Reception Hall

10:30-12:00

Coffe Break - Poster Session TCP+CMP

Aula Magna**Plenary Session 2***Chairman: Sebastian Popescu*

12:00-12:30	PL-05	PROGRESS AT EXTREME LIGHT INFRASTRUCTURE – NUCLEAR PHYSICS FACILITY N. V. Zamfir and D. Ursescu
12:30-13:00	PL-06	PHOTOVOLTAIC CELLS BASED ON ORGANIC MONOMERIC AND POLYMERIC THIN FILMS Stefan Antohe
13:00-13:30	PL-07	FERROMAGNETIC ORDERING OF METALS IN SI(001) AND GE(001) Cristian Mihail Teodorescu

Faculty of Physics - First Floor

13:30-15:00	LUNCH
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F203**TCP Session 1 - SEENET-MTP Workshop***Chairman: Mihai Visinescu*

15:00-15:30	TC-I01	RIEMANN-HILBERT PROBLEMS AND SOLITON EQUATIONS WITH Z_H -SYMMETRIES [<i>invited</i>] Vladimir Gerdjikov
15:30-15:45	TC-O01	THE ROLE OF DISCRIMINANTLY SEPARABLE POLYNOMIALS IN THE INTEGRABLE DYNAMICAL SYSTEMS Katarina Kukić and Vladimir Dragović
15:45-16:00	TC-O02	ON THE QUANTIZATION OF A \mathbb{P}^1 -ADIC CALOGERO-MOSER MODEL ON NONARCHIMEDEAN SPACES Dragoljub Dimitrijevic, Goran Djordjevic, Dimitar Mladenov and Stanislav Varbev
16:00-16:15	TC-O03	ON QUANTIZATION OF TACHYON-LIKE MATTER Dragoljub Dimitrijevic, Goran Djordjevic, Milan Milosevic and Dumitru Vulcanov
16:15-16:30	TC-O04	THE SHAPE OF SCALAR FIELD POTENTIALS IN $F(R)$ THEORIES IN COSMOLOGY Dumitru Vulcanov, Goran Djordjevic and Ciprian Sporea
16:30-16:45	TC-O05	GEODESIC FLOWS ON $GL(N;R)$ AS INTEGRABLE MANY-BODY SYSTEMS Arsen Khvedelidze and Dimitar Mladenov
16:45-17:00	TC-O06	NONLOCAL MODIFIED GRAVITY WITH COSMOLOGICAL SOLUTIONS Branko Dragovich

Faculty of Physics - Second Floor

17:00-17:30

TCP Sessions Coffee Break

F203**TCP Session 2***Chairman: Goran Djordjevic*

17:30-18:00	TC-I02	THE DE SITTER QED IN COULOMB GAUGE: FIRST ORDER TRANSITION AMPLITUDES [<i>invited</i>] Ion Cotaescu and Cosmin Crucean
18:00-18:15	TC-O07	ON THE PROPERTIES OF THE SOLITON SOLUTIONS OF TZITZEIKA EQUATION Nicoleta - Corina Babalic, Radu Constantinescu and Vladimir Gerdjikov
18:15-18:30	TC-O08	SPECIAL KILLING FORMS ON TORIC SASAKI-EINSTEIN SPACES Mihai Visinescu
18:30-18:45	TC-O09	LIE SYMMETRIES FOR LORENZ TYPE SYSTEMS Rodica Cimpoiasu and Radu Constantinescu
18:45-19:00	TC-O10	APPLICATIONS OF THE LAGUERRE LATTICE BOLTZMANN MODELS TO COUETTE FLOW Victor E. Ambrus and Victor Sofonea
19:00-19:15	TC-O11	NONCOMMUTATIVE DEFORMATION OF A COSMOLOGICAL GAUGE SOLUTION Simona Pretorian

F205**CMP Session 1***Chairman: Stefan Antohe*

15:00-15:30	CM-I01	MECHANICAL PROPERTIES OF ALUMINA PORCELAIN DURING HEATING [<i>invited</i>] Peter Sin, Rudolf Podoba, Igor Stubna and Anton Trnik
15:30-16:00	CM-I02	BAND BENDING AT FERROELECTRIC SURFACES AND INTERFACES INVESTIGATED BY X-RAY PHOTOELECTRON SPECTROSCOPY [<i>invited</i>] Nicoleta Georgiana Apostol
16:00-16:15	CM-O01	SIMULATION STUDY OF A 3D DEP-BASED MICROFLUIDIC SYSTEM FOR SELECTIVE NANOPARTICLE MANIPULATION Mihai Lungu, Raluca Giugiulan, Octavian Madalin Bunoiu, Stefania Balasiu and Adrian Neculae
16:15-16:30	CM-O02	EXPERIMENTAL STUDY ON THE THERMAL CONDUCTIVITY OF MAGNETIC FLUIDS Alexandru Savici, Iosif Malaescu and Catalin Marin
16:30-16:45	CM-O03	DETERMINATION OF PARTICLE CHAIN STATISTICS IN FERROFLUIDS FROM MAGNETICALLY INDUCED DICHROISM EXPERIMENTS V. Socoliuc and L. B. Popescu
16:45-17:00	CM-O04	MICROSTRUCTURE ANALYSIS OF NITI FILMS DEPOSITED BY MAGNETRON SPUTTERING Corneliu Craciunescu, Ion Mitelea, Victor Budau and Aurel Ercuta

F206**API Session 1***Chairman: Felicia Iacomi*

15:00-15:30	AI-I01	A NON-PARAMETRIC TEMPERATURE CONTROLLER WITH NON-LINEAR NEGATIVE REACTION FOR MULTI-POINT RAPID MR-GUIDED HIFU ABLATION [<i>invited</i>] Rares Salomir, Lorena Petrusca and Christoph D Becker
15:30-16:00	AI-I02	ATOMIC CLOCKS AND GEOPHYSICS [<i>invited</i>] Mihai Bondarescu, Ruxandra Bondarescu, Philippe Jetzer, Jayashree Balakrishna, Gyorgy Hetenyi and Lapo Boschi
16:00-16:15	AI-O01	SURVEILLANCE OF MEDIUM AND HIGH EARTH ORBITS USING LARGE BASELINE STEREOVISION Radu Danescu, Anca Ciurte, Florin Oniga, Octavian Cristea, Paul Dolea, Vlad Dascal, Vlad Turcu, Liviu Mircea and Dan Moldovan
16:15-16:30	AI-O02	THZ GENERATION BY LASER-AIR-PLASMA INTERACTION Traian Dascalu, Oana Sandu and Mihai Dinca
16:30-16:45	AI-O03	ESTIMATION OF THE CLOUD TRANSMITTANCE FROM RADIOMETRIC MEASUREMENTS AT THE GROUND LEVEL Dario Costa and Oana Mares
16:45-17:00	AI-O04	MODEL BASED COMPUTATION OF THE IMPURITY DISTRIBUTION IN THE WALL OF A TUBE GROWN FROM THE MELT BY THE EDGE-DEFINED FILM-FED GROWTH TECHNIQUE Agneta Balint, Stefan Balint and Balázs Jójárt

F21**HPC Workshop***Chairman: Claudiu Biris*

15:00-15:30	HPC-01	HPC INFRASTRUCTURE AT THE WEST UNIVERSITY OF TIMISOARA Claudiu Biris
15:30-16:00	HPC-02	HIGH-PERFORMANCE COMPUTING AT INSTITUTE OF PHYSICS BELGRADE Alex Nicolin
16:00-16:30	HPC-03	MOLECULAR DYNAMICS STUDIES ON THE HPC PLATFORM FOR COMPUTATIONAL BIOPHYSICS AT IFIN-HH Ionut Vasile, Dragos Ciobanu-Zabet and Mihnea Dulea
16:30-17:00	Round Table - HPC Infrastructure in Eastern Europe	

Aula Magna Reception Hall

17:00-18:30	Coffee Break and API Poster Session
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Cantina Politehnica 1 - Complex

20:00-23:00	Conference Banquet
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Saturday, 23rd of November 2013

A01

Plenary Session 3 - Young Scientist Lectures

Chairman: Nicoleta Stefu

09:00-09:30	PL-08	STUDY OF THE DIRECTIONAL SOLIDIFICATION PROCESS OF MULTICRYSTALLINE SILICON BY NUMERICAL METHODS Alexandra Popescu and Daniel Vizman
09:30-10:00	PL-09	DIRAC FERMIONS ON AN ANTI-DE SITTER BACKGROUND Victor E. Ambrus and Elizabeth Winstanley

Faculty of Physics - Second Floor

10:00-10:30	Coffee Break
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F206**TCP Session 3***Chairman: Ion Cotaescu*

10:30-11:00	TC-I03	DENSITY WAVES IN BOSE-EINSTEIN CONDENSATES [<i>invited</i>] Alexandru Nicolin and Antun Balaz
11:00-11:15	TC-O13	FISSION CHANNELS AROUND EMITTED MAGIC NUMBERS Nafiseh Shakib, Radu Alexandru Gherghescu and Dorin N Poenaru
11:15-11:30	TC-O14	ELECTRODYNAMIC FROM MODIFIED SCHWARZSCHILD METRIC Ciprian Cretu
11:30-11:45	TC-O15	DISCRETE SYMMETRIES AND DE SITTER SPACETIME Ion I. Cotăescu and Gabriel Pascu
11:45-12:00	TC-O16	PHOTON ASSISTED PROCESSES: THE PROBABILITY AMPLITUDES FOR THE ABSORPTION AND EMISSION OF PHOTONS Codruta Micu, Erhardt Papp and Dania Racolta
12:00-12:15	TC-O17	COLLECTIVE MODES IN EXOTIC NUCLEI WITHIN A LANDAU-VLASOV APPROACH V. Baran, M. Colonna, M. Di Toro, A. Croitoru, D. Dumitru and R. Zus
12:15-12:30	TC-O18	ENTANGLEMENT GENERATION IN TWO-MODE GAUSSIAN SYSTEMS IN TWO-RESERVOIR MODEL Aurelian Isar

F203**CMP Session 2***Chairman: Nicoleta Georgiana Apostol*

10:30-11:00	CM-I03	VISIBLE AND NEAR UV LIGHT PRODUCTION BY TYPE-I NON-CRITICAL PHASE MATCHING SECOND HARMONIC GENERATION IN $Y_1-XR_2CA_4O(BO_3)_3$ ($R = LU, SC$): CRYSTAL GROWTH AND NONLINEAR CHARACTERIZATION [<i>invited</i>] Achim Alexandru, Gheorghe Lucian and Stanciu George
11:00-11:30	CM-I04	WHAT ELECTRON PARAMAGNETIC RESONANCE TELLS US ABOUT THE SPIN DYNAMICS IN DILUTED MAGNETIC SEMICONDUCTORS? [<i>invited</i>] Oana Raita, Liviu Giurgiu, Adriana Popa and Dana Toloman
11:30-11:45	CM-O05	AN INTRODUCTION TO FRACTIONAL EXCLUSION STATISTICS: HOW TO TRANSFORM GENERAL INTERACTING PARTICLE SYSTEMS INTO IDEAL GASES Dragos-Victor Anghel
11:45-12:00	CM-O06	GROWTH AND CHARACTERIZATION OF MULTIFERROIC YMNO ₃ FILMS Ionela Iliescu, Michel Boudard, Odette Chaix-Pluchery, Laetitia Rapenne and Hervé Roussel
12:00-12:15	CM-O07	COMPARAISON BETWEEN NUMERICAL AND EXPERIMENTAL RESULTS IN THE CASE OF A SPECIAL TYPE OF ELECTROMAGNETICAL STIRRING FOR CONDUCTING MELTS Radu Andrei Negriță, Alexandra Popescu, Marius Paulescu, Daniel Vizman and Bogdan Barvinschi
12:15-12:30	CM-O08	THERMOELECTRIC PROPERTIES OF BORON-NITRIDE NANORIBBONS WITH TRANSITION METAL IMPURITIES Camelia Visan

A01**API Session 2***Chairman: Mihai Bondarescu*

10:30-11:00	AI-I03	STRUCTURAL SIMILARITY ANALYSIS FOR BRAIN MR IMAGE QUALITY ASSESSMENT [<i>invited</i>] Mirela Visan Punga, Simona Moldovanu and Luminita Moraru
11:00-11:30	AI-I04	FUNCTIONAL PROPERTIES OF MN DOPED NANOSTRUCTURED TITANIUM OXIDE POWDERS AND THIN FILMS [<i>invited</i>] Felicia Iacom, Vassilios Binas, Gheorghe Zoderiu, Vasile Tiron, Adriana Popa, Dana Toloman, Marius Dobromir, Cornel Doroftei, Valentin Nica, Apostolis Zachopoulos and George Kiriakidis
11:30-11:45	AI-O05	MULTIFRACTAL ANALYSIS OF EARLY CERAMIC PERIOD POTTERY IN CUCUTENI-TRIPOLYE CULTURE Emilian Dănilă and Luminita Moraru
11:45-12:00	AI-O06	SPECTROELECTROCHEMISTRY APPROACH AS A TOOL FOR IN-SITU OPTOELECTRONIC AND ELECTROCHROMIC PROPERTIES INVESTIGATION OF CONJUGATED POLYMERS CONTAINING CARBAZOLE UNITS Loredana Vacareanu, Ana Maria Catargiu and Mircea Grigoras
12:00-12:15	AI-O07	STUDY OF CHAOTIC SYSTEMS WITH APPLICATIONS TO SECURE COMMUNICATION Stefan-Andrei Irimiciuc, Ovidiu Vasilovici and Dan-Gheorghe Dimitriu
12:15-12:30	AI-O08	STRUCTURAL PROPERTIES AND THERMAL STABILITY OF THE S-LAYER PROTEIN FROM LACTOBACILLUS SALIVARIUS Liliana Lighezan, Ralitsa Georgieva and Adrian Neagu

F205		
EP Session 1 + EP Poster Session		
<i>Chairman: Mihai Lungu</i>		
10:30-11:00	EP-I01	TRENDS IN PHYSICS TEACHING AND ASSESSMENT [<i>invited</i>] Roxana Zus
11:00-11:15	EP-O01	HOME PHYSICAL EXPERIMENTS OF PUPILS AND STUDENTS Ivan Banik and Rastislav Banik
11:15-12:30	EP Poster Session	

F21	
10:30-12:30	SEENET-MTP Workshop - Committee Meeting

West University Main Entrance	
12:30-12:40	Assembly for Recas Departure

TCP POSTERS

TC-P01	A NEW COMPUTATIONAL APPROACH IN ATMOSPHERIC TEMPERATURE RETRIEVAL FROM INFRARED IMAGERY MEASUREMENTS Bogdan Albina, Dan-Gheorghe Dimitriu, Silviu Gurlui and Marius-Mihai Cazacu
TC-P02	GAUSSIAN GEOMETRIC DISCORD OF TWO-MODE SYSTEMS IN A THERMAL ENVIRONMENT Serban Suciu and Aurelian Isar
TC-P03	MODELING TRANSPORT OF INTERACTING PARTICLE SYSTEMS USING FRACTIONAL EXCLUSION STATISTICS George Alexandru Nemnes and Dragos-Victor Anghel
TC-P04	COMPARATIVE DISCUSSION ON TWO EVALUATION MODELS FOR OPTICAL PROPERTIES OF BI2O3 Gabriel Murariu, Adrian Dinescu and Simona Condurache - Bota
TC-P05	MORPHOGENESIS OF GRAVITATIONAL STRUCTURES THROUGH A NON-DIFFERENTIABLE HYDRODYNAMICS APPROACH Maricel Agop and Mugur Raut
TC-P06	DARK MATTER AND THE DYNAMICS OF GALAXIES: A NEWTONIAN APPROACH Mugur Raut
TC-P07	STUDY OF REACTIVE COLLISIONS BETWEEN ELECTRONS AND MOLECULAR CATIONS USING MULTICHANNEL QUANTUM DEFECT THEORY: APPLICATION TO HD+ AND BED+ Nicolina Pop, Ousmanou Motapon, Sebastien Niyonzima, Zsolt Mezei, Kalyan Chakrabarti and Ioan F. Schneider
TC-P08	HYBRID SIMULATIONS OF LUNAR WAKE Martin Jilek and Pavel Travnicek
TC-P09	ON THE FLUX WHICH TRAVERSES A WORMHOLE IN SCALAR ELECTRODYNAMICS Nistor Nicolaevici

TC-P10	FROM CHUA CIRCUITS TO HOPFIELD NEURONS Radu Constantinescu, Carmen Ionescu and Mihai Stoicescu
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CMP Posters	
CM-P01	CORE-SHELL NANOPARTICLES WITH ADJUSTED MAGNETIC PROPERTIES Cristian Leostean, Ovidiu Pana, Maria Loredana Soran, Maria Stefan, Sergiu Macavei and Simona Gutoiu
CM-P02	BARRIER-CLUSTER-HEATING MODEL AND PHOTOINDUCED PHENOMENA IN CHALCOGENIDE GLASSES Ivan Banik, Jozefa Lukovicova, Peter Sin and Bimal Sarkar
CM-P03	SOME OPTICAL PROPERTIES OF BAF2:YBF3 AND CAF2:YBF3 CRYSTALS Marius Stef and Irina Nicoara
CM-P04	THE DISLOCATIONS STUDY OF YBF3 DOPED BAF2 CRYSTALS Marius Stef, Irina Nicoara and Florina Cirlan
CM-P05	FINE TUNING OF THE OPEN-CIRCUIT VOLTAGE IN DYE SENSITIZED SOLAR CELLS – A COMBINED EXPERIMENTAL AND COMPUTATIONAL APPROACH Marilena Ferbinteanu, Daniela Stamate, Corneliu Ioan Oprea, Petre Panait, Fanica Cimpoesu and Mihai Girtu
CM-P06	SEGREGATION COEFFICIENT OF YB2+ AND YB3+ IONS IN BAF2:0.17 MOL% YBF3 CRYSTAL Irina Nicoara, Marius Stef and Madalin Bunoiu
CM-P07	MODELLING THE DEBER POTENTIAL FORMATION IN SEMICONDUCTORS UNDER THE INFLUNCE OF FS LASER PULSES Zsolt Szkiva, Agneta Balint, Miklos Fule, Laszlo Nanai and Sztatmari Sandor
CM-P08	EFFECTIVE HEAT CAPACITY AND HEATING RATE OF FERROFLUIDS Iosif Malaescu, Paul C. Fannin, C. N. Marin and Alexandru Savici

CM-P09	POLARIZING FIELD RESOLVED MAGNETIC SUSCEPTIBILITY SPECTRA OF FERROFLUIDS C. N. Marin, P. C. Fannin and I. Malaescu
CM-P10	ELECTRIC PROPERTIES OF MANGANESE FERRITES OBTAINED BY DIFFERENT METHODS Antoanetta Lungu, Paulina Vlazan, I. Malaescu, C. N. Marin and Paula Sfarloaga
CM-P11	INVESTIGATIONS OF THE OPTICAL ENERGY SPECTRA AND G-FACTORS OF $Cr^{5+}:Y(V,P)O_4$ Ana-Marinela Barb and Calin Avram
CM-P12	STRUCTURAL INVESTIGATION OF $MO \cdot P_2O_5 \cdot Li_2O$ ($MO = Fe_2O_3$ OR V_2O_5) GLASS SYSTEMS BY FTIR SPECTROSCOPY Constantin Andronache and Dania Racolta
CM-P13	CRYSTAL FIELD PARAMETERS AND ENERGY LEVELS SCHEME OF CHROMIUM DOPED BSO Petya Petkova, Émiliana-Laura Andreici and Nicolae Avram
CM-P14	CRYSTAL FIELD AND SPIN-HAMILTONIAN PARAMETERS OF $CrCl_3$ CRYSTAL Calin Avram, Mikhail Brik, Adrian-Sorin Gruia and Nicolae Avram
CM-P15	INFLUENCE OF PROCESS TIME ON ELECTRICAL PROPERTIES OF HIGHLY POLLUTED MULTI-CRYSTALLINE SILICON GROWN BY BRIDGMAN TECHNIQUE Radu Andrei Negriță, Vasile Pupăzan, Octavian Mădalin Bunoiu and Daniel Vizman
CM-P16	EUROPIUM ION AS A STRUCTURAL LUMINESCENCE PROBE IN CUBIC BIXBYITE OXIDE $Y_2O_3-LA_2O_3$ SYSTEM Vesna Đorđević, Željka Antić, Marko G. Nikolić and Miroslav D. Dramićanin
CM-P17	SYNTHESIS AND LUMINESCENCE OF Sm^{3+} DOPED $Gd_2Ti_2O_7$ Sanja Čulubrk, Željka Antić, Milena Marinović-Cincović, Vesna Lojpur and Miroslav D. Dramićanin
CM-P18	LUMINESCENT PROPERTIES OF Eu^{3+} AND Sm^{3+} DOPED Mg_2TiO_4 NANOPARTICLES Mina Medić, Željka Antić, Vesna Lojpur and Miroslav D. Dramićanin

CM-P19	TESTING HISTORIC BRICKS USING THE METHOD OF ACCELERATED AGEING Gabriela Pavlendová, Rudolf Podoba, Jozefa Lukovičová and Ivan Baník
CM-P20	SECONDARY ANISOTROPY EFFECTS IN UNIAXIAL FERROMAGNETS Doru Baltateanu, Doru Paunescu, Corneliu Craciunescu and Aurel Ercuta

API Posters	
AI-P01	THE INFLUENCE OF COLLOID SAMPLES ON THE QUARTZ CRYSTAL MICROBALANCE (QCM) SURFACE Ioana Daniela Dulama, Ion V. Popescu, Gheorghe Valerica Cimpoa, Cristiana Radulescu, Ioan Alin Bucurica and Dorin Dacian Let
AI-P02	RADIOFREQUENCY ELECTROMAGNETIC FIELD MAP OF TIMISOARA Nicoleta Stefu, Paul Gravila, Istvan Solyom and Adelina Arama
AI-P03	NUMERICAL SIMULATION OF BIOPARTICLE SEPARATION BY DIELECTROPHORETIC FIELD-FLOW-FRACTIONATION (DEP-FFF) Andreea Marchis and Adrian Neculae
AI-P04	ENTROPY-BASED PARAMETERS SENSITIVE TO THE PRESENCE OF DAMAGE IN ROTATING MACHINERY Alexandru Tocarciuc, Liviu Bereteu and Gheorghe Drăgănescu
AI-P05	NONLINEAR DYNAMICS ANALYSIS AND EXTENSIVE OPTICAL INVESTIGATIONS OF TWO FIREBALLS SIMULTANEOUSLY EXCITED IN AN ARGON-HELIUM MIXTURE PLASMA Oana Niculescu, Silviu Gurlui, Dan-Gheorghe Dimitriu, Codrina Ionita and Roman Wolfgang Schrittwieser
AI-P06	RADIATION MODIFICATION OF STARCH FOR USE IN THE WATER TREATMENT Mirela Braşoveanu, Monica Nemţanu, Nicuşor Iacob, Liliana Flore, Veronica Anca and Alexandra Onciu

AI-P07	ESTIMATION OF DAILY GLOBAL SOLAR IRRADIATION BASED ON AIR TEMPERATURE VARIATION USING TAKAGI-SUGENO FUZZY SYSTEMS Boata Remus and Pop Nicolina
AI-P08	PERFORMANCE ASSESSMENT OF TEN CLEAR SKY SOLAR IRRADIANCE MODELS IN TIMISOARA Oana Mares, Daniel Vizman and Marius Paulescu
AI-P09	RAPID DIAGNOSIS OF FABRY DISEASE THROUGH ADVANCED CHIP-BASED ELECTROSPRAY MASS SPECTROMETRY AND ELECTRON TRANSFER DISSOCIATION SEQUENCING Cristina Mosoarca, Iosif Malaescu, Corina Flangea, Mirela Galusca Sarbu and Alina D. Zamfir
AI-P10	RECENT ADVANCES IN SOLAR RADIATION FORECASTING AT THE WEST UNIVERSITY OF TIMISOARA Angel Pacurar, Oana Mares, Remus Boata, Delia Calinoiu, Nicoleta Stefu, Nicolina Pop, Paul Gravila, Eugenia Paulescu, Madalin Bunoiu, Daniel Vizman and Marius Paulescu
AI-P11	USE OF PLASTIC PHANTOMS FOR MEASUREMENTS AT EXTENDED DISTANCES Marius Spunei, Maria Mihai and Iosif Malaescu
AI-P12	NONLIENAR DYNAMICS OF MULTIPLE FIREBALLS IN LOW-TEMPERATURE PLASMA Stefan-Andrei Irimiciuc, Sebastian Popescu and Dan-Gheorghe Dimitriu
AI-P13	DIFFUSION-WEIGHTED WHOLE-BODY MAGNETIC RESONANCE IMAGING WITH BACKGROUND BODY SIGNAL SUPPRESSION George-Virgil Focsanianu and Dan-Gheorghe Dimitriu
AI-P14	STUDIES OF PLANETARY BOUNDARY LAYER BY INFRARED THERMAL IMAGERY Bogdan Albina, Marius Mihai Cazacu, Adrian Timofte, Dan-Gheorghe Dimitriu and Silviu Gurlui
AI-P15	PYTHON PROCESSING AND ANALYZING TOOL OF AEROSOLS OPTICAL PARAMETERS DERIVED FROM AERONET LOA-SL DATA Marius Mihai Cazacu, Mihail Nicolae Danila, Bogdan Albina, Florin Unga, Dan-Gheorghe Dimitriu and Silviu Gurlui

AI-P16	ON THE INCREASE OF ELECTRODEPOSITION EFFICIENCY AS A FUNCTION OF THE INPUT SIGNAL TIME-CHARACTERISTICS Dan Anastasiu Pop and Gabriela Raluca Mocanu
AI-P17	UNSUPERVISED MARKED POINT PROCESS MODEL FOR AUTOMATIC EXTRACTION AND COUNTING OF SUNSPOTS Paula Craciun
AI-P18	NATURAL RADIOACTIVITY IN WATER SOURCES ASSOCIATED WITH THE GEOLOGICAL STRUCTURES OF HUNEDOARA COUNTY Mircea Moldovan, Dan Nita, Bety Burghel and Constantin Cosma
AI-P19	EXPERIMENTAL STUDY FOR USING PHOTOVOLTAIC PANELS AT POLITEHNICA UNIVERSITY TIMIȘOARA Ioan Zaharie, Adrian Maghet and Ildiko Tatai
AI-P20	ON THE EFFICIENCY OF THE PARABOLOIDAL CONCENTRATOR INSTALLED ON ORIENTED ROOFS Ciprian Hedrea, Ioan Zaharie, Romeo Negrea, Emanuel Danci and Mihai Patrascoiu
AI-P21	COMBINING XRD, FT-IR AND SEM-EDS INFORMATION FOR IDENTIFICATION OF COMPONENTS IN PIGMENTS ON NEOLITHICAL CERAMICS FROM BANAT (ROMANIA) Paul Barvinschi, Marcela Stoia, Daniela Resiga and Octavian Rogoza
AI-P22	PREPARATION OF METALLIC NANOPARTICLES BY IRRADIATION IN STARCH AQUEOUS SOLUTION Monica R. Nemțanu, Mirela Brașoveanu, Nicușor Iacob and Alexandra Onciu
AI-P23	VIRTUAL ANODE FIREBALL IN PLASMA Dan-Gheorghe Dimitriu, Claudia-Teodora Teodorescu-Soare and Sebastian Popescu
AI-P24	COMPARISON BETWEEN EXPERIMENTAL DATA AND NUMERICAL RESULTS FOR A UAV DEVICE TYPE USED IN ENVIRONMENTAL MONITORINGR A UAV DEVICE TYPE Gabriel Murariu, Razvan Mahu, Lucian Georgescu, Florin Mingireanu and Razvan Ionut Mocanu

AI-P25	THEORETICAL AND EXPERIMENTAL STUDY OF HEPARIN AND C-REACTIVE PROTEIN Botond Lorand Simon, László Szabó, István Sz. Tódor and Vasile Chiş
AI-P26	SYNTHESIS OF POPCORN SHAPED NANOPARTICLE ASSEMBLIES István Sz. Tódor, László Szabó, Vasile Chiş and Nicolae Leopold
AI-P27	DETRENDED FLUCTUATION ANALYSIS OF SACCADIC EYE MOVEMENTS Corina Astefanoaei, Dana Craciun, Adriana Isvoran, Elena Pretegiani, Lance Optican, Dorina Creanga and Alessandra Rufa
AI-P28	OBTAINING A PROTECTIVE DENTAL FILM PRODUCED BY LASER ABLATION OF HYDROXIAPATITE AND HUMAN TEETH Lucia Vrajitoriu, Silviu Gurlui, Maricel Agop, Bertrand Chazallon and Cristian Focsa
AI-P29	PRELIMIARY RESULTS FOR CONSTRUCTION STATUS EQUATION FOR COMPLEX AQUATIC SYSTEMS Gabriel Murariu, Paula Popa, Mihaela Timofti and Lucian Georgescu
AI-P30	EFFECT OF SUBSTRATE COMPOSITION AND TOPOGRAPHY ON THE IMPROVEMENT OF WETTABILITY OF TITANIUM DIOXIDE THIN FILMS DEPOSITED BY MULTIPLE METHODS Virgil-Nicolae Cancea, Valentin Ion, Mihaela Filipescu, Flavius Stokker-Cheregi, Marius Dumitru, Dan Colceag, Maria Dana Ionita and Maria Dinescu
AI-P31	SYNTHESIS AND CHARACTERIZATION OF POLYMER-COATED MAGNETIC NANOPARTICLES FOR BIOMEDICAL APPLICATIONS Gigel Nedelcu, Alfonso Nastro, Luigi Filippelli, Cesare Oliviero Rossi, Adriana Paula Popa, Dana Toloman and Felicia Dacia Iacomi
AI-P32	ARTIFICIAL NEURAL NETWORK FOR AUTHENTICATION OF SERBIAN UNIFLORAL HONEY SAMPLES BASED ON SYNCHRONOUS FLUORESCENCE SPECTROSCOPY DATA Lea Lenhardt, Ivana Zekovic, Tatjana Dramicanin and Miroslav Dramicanin
AI-P33	SEASONAL THRUST MAIN PHYSICO-CHEMICAL PARAMETERS FOR THE DANUBE RIVER IN TULCEA Gabriel Murariu, Catalina Iticescu, Lucian Georgescu and Catalina Topa

AI-P34	EXPERIMENTAL STUDYING ON PMT VOLTAGE DIVIDER EFFECTS & CAPACITOR'S VALUE IN NEUTRON-GAMMA DISCRIMINATION Nazila Divani, Mohammadmehdi Firoozabadi Firoozabadi and Nafiseh Shayan Shakib
AI-P35	SUBSTRATE EFFECT ON STRUCTURE AND MORPHOLOGY OF ZNO COATINGS ON FABRIC SUBSTRATES I. V. Tudose, N. Vrinceanu, B. Istrate, C. Munteanu, E. Koudomas, M. Sucheai and F. Iacomi

EP Posters	
EP-P01	PHYSICS CAN BE FUN! Mihaela Codruta Tudor
EP-P02	BLENDED LEARNING AND SCIENCE EDUCATION IN ROMANIA Paula Craciun and Dana Craciun
EP-P03	USING COMPUTER MODELING Dobrescu Ionela Florica and Mandis Ioana Lavinia

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