



ARA35 – SCIENCE & ART IN THE INFORMATICS' ERA

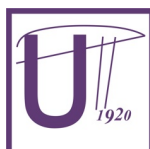
6-10 July 2011, Timisoara – ROMANIA

Place: "POLITEHNICA" University of Timisoara

Piata Victoriei NB 2, Timisoara, Romania

| Wednesday 06.07.2011 | | |
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| | Large Audience Senate Hall, Rectorat Univ. Politehnica Timisoara | Small Audience Senate Hall |
| 9.00 – 9.30 | Press Conference | |
| 9.30 – 10.00 | Plenary Session Musical introduction DUO COLOMPAR | Registration & Delivery of the Power point presentations |
| 10.00-10.10 | WELCOME SPEECH addressed by Nicolae ROBU, rector of UPT | |
| 10.10-10.45 | SALUTATIONS & AWARDS in behalf of ARA president, Ion Paraschivoiu | |
| 10.45 – 11.30 | Honour Guest Speaker- Emil Constantinescu: THE OLIVES' MOUNTAIN. CHRISTIAN VALUES OF THE THIRD MILLENNIUM WORLD | |
| 12.00 – 12.30 | <i>Carmen Sabau: STEFAN LUCHIAN – POETRY OF COLOUR</i> Plenary Session | |
| 12.30 – 13.30 | Session 1: Law & Politics | Session 2: Philosophy & Theology |
| 14.30 – 16.00 | Session 3: Economy | Session 4: Linguistics, Literature, Music & Fine Arts |
| 17.00 – 17.30 | <i>Isabelle Sabau: LEARNING AND THE DIGITAL REVOLUTION</i> Plenary Session | |
| 17.30 – 17.45 | <i>Ioana Ionel: BIO-ENERGY & THE AIR QUALITY</i> Plenary Session | |
| 17.45 – 18.00 | Introducing Stefan POPA POPA'S Plenary Session | Exhibition and life demo of the caricaturist |
| Thursday 07.07.2011 | | |
| 8.30-9.00 | Registration | |
| 9.00 – 9.30 | <i>Ioan David: MATHEMATICAL MODELLING – UNIVERSAL INSTRUMENT IN THE KNOWLEDGE ERA</i> Plenary Session | |
| 9.30-11.00 | Session 5: Economy & Environment | Session 6: Engineering. Applied Mathematics. Computer Sciences |
| 11.30 – 13.00 | Session 7: Economy | Session 8: Engineering, Applied Mathematics, Computer Sciences |
| 14.30 – 16.00 | Session 9: Arts & Education | Session 10: Physics & Chemistry |
| 17.00 – 17.30 | <i>Marius Enachescu: NANOTECHNOLOGY TOOLS: SCANNING TUNNELING MICROSCOPY AND ATOMIC FORCE MICROSCOPY</i> Plenary Session | |
| 18.10 – 19.00 | West University of Timisoara, Bv. V. Parvan 4, Eugen Todoran Library Hall, Musical event (free participation) | |
| 19.30-23.00 | Folklore Evening sponsored by Consiliul Judetean Timis, Awards offered by ARA | |
| Friday 08.07.2011 | | |
| 9.00 – 9.30 | <i>Liudmila STIHI: VALORIFICAREA CAPITALULUI UMAN AL ÎNTREPRINDERII ÎN SOCIETATEA CONȘTIINȚEI</i> Plenary Session | |
| 9.30-11.00 | Session 11: Arts and Education | Session 12: Physics & Chemistry |
| 11.30 – 13.00 | Session 13: Arts & Education | Session 14: Environment |
| 14.30 – 16.00 | Session 15: Biology & Medicine | |
| 17.00 – 18.00 | <i>Dorin Stoica: BRANDOM - INFERENTIALISM AND THE FINE STRUCTURE OF RATIONALITY, OR HOW WE CAN OBTAIN OBJECTIVITY IN PHILOSOPHY</i> <i>Mihai Hodorogea: DUALISMUL UNDĂ PARTICULĂ ÎN FIZICA MODERNĂ</i> Plenary Session | |
| 18.00 – 18.30 | <i>George Lana: Mihai Olteanu – ART OF COLOUR AND LIGHT</i> Plenary Session | Opening of the Mihai Olteanu exhibition |
| Saturday 09.07.2011 | | |
| 11.30 – 11.45 | <i>Valeriu Damian: CONCLUDING REMARKS</i> | |
| 11.45- 12.30 | Closing ceremony of the congress | |
| 12.30 - 13.30 | General Assembly of ARA | |

All sessions and plenary sessions, the concert and open ceremony are free of charge, open to public.



Universitatea "POLITEHNICA" Timisoara



Consiliul Judetean Timis



Primaria Municipiului Timisoara

Detailed Program

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| Tuesday 05.07.2011 | Casa Politehnicii 2 (Bl. M. Eminescu nr. 11, Timisoara, see map) |
| 17.00 – 18.30 | Registration, Distribution of the badges and individual bags |
| 18.00 | Press conference |

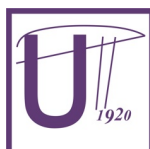
| Wednesday 06.07.2011 | | |
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| | Large Audience Senate Hall, Rectorat Univ. "Politehnica" Timisoara, (Piata Victoriei nr 2, Timisoara) | Small Audience Senate Hall, Rectorat Univ. Politehnica, (Piata Victoriei nr 2, Timisoara) |
| Plenary Session Chairpersons: Ioana IONEL | | |
| 9.00 – 9.30 | Press Conference | |
| 9.30 – 10.00 | Musical introduction DUO COLOMPAR: - INTERMEZZO-CAVALERIA RUSTICANA - P. MASCAGNI - VALS PIZZICATO - G. DINICU - LIEBESLEID - F. KREISLER - LIEBESFREUD - F. KREISLER - THAIS - J. MASSENET - RAPSODIA ROMANA - G. ENESCU | Registration & Delivery of the Power point presentations to the Help-Assistance desk (near the Large Senate room) |
| 10.00-10.10 10.10-10.45 | WELCOME SPEECH addressed by <u>Nicolae ROBU</u> , rector of UPT SALUTATIONS AND AWARDS RECOGNITION FROM THE ARA, offered by its president, <u>Ion Paraschivoiu</u> | |
| 10.45 – 11.30 | Honour Guest Speaker <u>Emil Constantinescu: THE OLIVES' MOUNTAIN. CHRISTIAN VALUES OF THE THIRD MILLENNIUM WORLD</u> | |
| 11.30 – 12.00 | COFFEE BREAK | |
| Plenary session Chairperson: Marius ENACHESCU | | |
| 12.00 – 12.30 | <u>Carmen Sabau: STEFAN LUCHIAN – POETRY OF COLOUR</u> | |
| 12.30 – 13.30 | Session 1: Law & Politics Chairpersons: Stela IOVU, Sorin BRUMĂ | Session 2: Philosophy & Theology Chairpersons: Cezar VASILIU, Dorin STOICA |
| | 1.1. <u>Constantin SASU, Luciana SASU</u> : A MARKETING APPROACH TO THE CONCEPT OF E-GOVERNMENT 1.2. <u>Alexandru OLTEANU, Mădălina Antoaneta RADOI</u> : THE CONNECTIONS OF MStela ONETARY POLICIES WITH THE EVOLUTION OF INTEGRATION AND GLOBALIZATION 1.3. <u>Stela IOVU</u> : DELIMITARI CONCEPTUALE ŞI CONSTITUTIVE ALE CONFLICTELOR ORGANIZAŢIONALE 1.4. <u>Serghei MARGULESCU, Elena MARGULESCU</u> : CONSIDERATII PRIVIND GUVERNANTA AFACERILOR INTEGRATE GLOBAL 1.5. <u>Marius ANDREESCU</u> : PRINCIPIUL | 2.1. <u>Dinu LEONTE</u> : PARADISE OR ANNIHILATION ~ PARADIS SAU NEANT 2.2. <u>Diana MICUŞA, Nicoleta TODOROI</u> : SUBCONCIOUS IN CONSCIENCE PYRAMID 2.3. <u>Mihaela Amalia PETROVICI</u> : L'ART DE MANIPULER PAR LE LANGAGE: APPROCHE PHILOSOPHIQUE 2.4. <u>Cezar VASILIU</u> : SFINŢI ŞI SFINŢENIE 2.5. <u>Horăţiu-Marius TRIF-BOIA</u> : CONŞTIINŢA DE SINE CA FORŢĂ REFULATĂ. SINGULARUL ŞI UNIVERSALUL SUBIECTULUI ÎN CAPITOLUL III AL FENOMENOLOGIEI SPIRITULUI DE G. W. F. HEGEL 2.6. <u>Elena Crinela HOLOM</u> : ÎNTRE TRECUT ŞI |



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| | <p>PROPORȚIONALITĂȚII ȘI APLICAȚII ALE ACESTUIA ÎN DREPTUL PENAL</p> <p>1.6. <u>Sorin BRUMĂ, Inesa BRUMĂ, Diana CRICLIVAIA</u>: ABORDARE CONCEPTUALĂ PRIVIND POSIBILITATEA APLICĂRII RĂSPUNDERII SUBSIDIARE</p> <p>1.7. <u>Sorin BRUMĂ</u>: ANALIZA DOCTRINARĂ A RĂSPUNDERII JURIDICE CIVILE ÎN SCOPUL IDENTIFICĂRII RĂSPUNDERII SUBSIDIARE</p> | <p>PREZENT. TEHNICA TRAGERII CLOPOTELOR ȘI INFLUENȚA EI ASUPRA OAMENILOR DIN TRANSILVANIA (SEC. XIX-XXI)</p> <p>2.7. <u>Cristina CIRTITA-BUZOIANU (BURSIERA ACADEMIA ROMANA FILIALA IASI)</u>: INFLUENȚA SOCIALĂ A COMUNICĂRII ÎN SPAȚIUL PUBLIC</p> |
| 14.30 – 16.00 | <p>Session 3: Economy Chairpersons: Iolanda DĂDUIANU VASILESCU, Ionel BOSTAN</p> | <p>Session 4: Linguistics. Literature & Music & Fine Arts Chairpersons: Valerica DRAICA, Ghe.PALCU</p> |
| | <p>3.1 <u>Ionel BOSTAN</u>: THE FINANCING FROM PUBLIC RESOURCES OF THE WAGE NECESSARY FOR THE CLERICAL PERSONNEL</p> <p>3.2. <u>Rodica BERZAN</u>: EXAMPLES OF DETERMINING THE VOLUME OF PRODUCTION BY FUNCTIUN AND VICE VERSA</p> <p>3.3. <u>Ionel BOSTAN</u>: THE COHERENT EVALUATION OF THE ASSETS AND PASSIVES FROM THE BALANCE OF THE INSURANCE COMPANIES</p> <p>3.4. <u>Cristina LEOVARIDIS</u>: POLICIES AND STRATEGIES AT THE EU AND NATIONAL LEVEL REGARDING IMPROVEMENT OF WORKING CONDITIONS IN KNOWLEDGE-BASED SOCIETY</p> <p>3.5. <u>Alexandru OLTEANU, Mădălina Antoaneta RĂDOI</u>: CONTROVERSIES IN USING DERIVATIVES IN THE CONTEXT OF THE FINANCIAL CRISIS</p> <p>3.6. <u>Camelia MILEA, Alina Georgeta AILINCĂ, Adina CRISTE, Iulia LUPU</u>: THE BALANCE OF PAYMENTS - A FACTOR OF SUSTAINABLE ECONOMIC DEVELOPMENT</p> <p>2.8. <u>Iolanda Dăduianu Vasilescu</u>: DESPRE IDEOLOGIE</p> | <p>4.1. <u>Viorica BANCIU, Valentin MORGOVAN</u>: A MODERN APPROACH OF SHAKESPEARE</p> <p>4.2. <u>Angela JIREGHIE</u>: THE DISCOURSE OF NEWS</p> <p>4.3. <u>Gheorghe PALCU</u>: THE ROMANIAN DOINA – AN ALL TIME INTANGIBLE CULTURAL VALUE</p> <p>4.4. <u>Lelia TROCAN</u>: LA GÉOGRAPHIE LITTÉRAIRE DE LA RÉSILIENCE</p> <p>4.5. <u>Al. Florin ȚENE</u>: „CAVALERUL NEBUNIEI” STRĂBĂTE LITERATURA EUROPEI</p> <p>4.6. <u>Valerica DRAICA, Dumitru DRAICA</u>: UN ACT DE CULTURA – INTRODUCEREA ALFABETULUI LATIN ÎN SCRIEREA LIMBII ROMÂNE</p> <p>4.7. <u>Brîndușa-Mariana Amalancei</u>: INTERTEXTUALI-TATEA ÎN PUBLICITATE: „CULT AL ARTEI” SAU „PLAGIERE A FORMELOR”?</p> |
| 16.30 – 17.00 | COFFEE BREAK | |
| | Plenary Session Chairman: Ioan DAVID | |
| 17.00 – 17.30 | <u>Isabelle Sabau</u> : LEARNING AND THE DIGITAL REVOLUTION | |
| 17.30 – 17.45 | <u>Ioana Ionel</u> : BIO-ENERGY AND THE AIR QUALITY | |
| 17.45 – 18.00 | <u>Ioana IONEL</u> : <i>Introducing Stefan POPA POPA'S</i> | <i>Exhibition and life demo of the caricaturist</i> |
| 18.30 – 20.00 | <i>Welcome reception offered by the Rector of UPT</i> | |

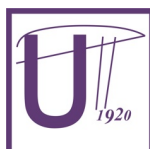
Thursday 07.07.2011

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| | Large Audience Senate Hall, Rectorat Univ. Politehnica, (Piata Victoriei nr 2, Timisoara) | Small Audience Senate Hall, Rectorat Univ. Politehnica, (Piata Victoriei nr 2, Timisoara) |
| 8.30-9.00 | Registration & Delivery of the Power point presentations to the Help-Assistance desk | |





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| | (near the Large Senate room) | |
| | Chairperson: Carmen SABAU | |
| 9.00 – 9.30 | <i>Ioan David: MATHEMATICAL MODELLING– UNIVERSAL INSTRUMENT IN THE KNOWLEDGE ERA</i> | |
| 9.30-11.00 | Session 5: Economy & Environment Chairpersons: Liudmila STIHI, Constantin POPESCU | Session 6: Engineering, Applied Mathematics & Computer Sciences Chairpersons: Adriana NĂSTASE, Traian FLESER |
| | <p>5.1. <u>Gabriela Cornelia PICIU, Carmen Lenuța TRICĂ</u>: A POSSIBLE TAX MODEL FOR ENVIRONMENTAL</p> <p>5.2. <u>Larisa MISTREAN, Denis MISTREAN</u>: INFLUENCE OF ECONOMIC CRISIS ON FINANCIAL PERFORMANCE OF COMMERCIAL BANKS IN MOLDOVA</p> <p>5.3. <u>Gabriela Cornelia PICIU, Carmen Lenuța TRICĂ</u>: GLOBALIZATION AND THE ENVIRONMENT</p> <p>5.4. <u>Constantin POPESCU, Maria Luiza HRESTIC</u> : QUEST-CE QUI SE PASSERA APRES KYOTO</p> <p>5.5. <u>Constanta POPESCU, Silvia Elena IACOB</u>: L'ÉVOLUTION DES INVESTISSEMENTS ETRANGERS DIRECTS EN ROUMANIE PENDANT LA PERIODE 2004-2010</p> <p>5.6. <u>Nadejda BOTNARI</u>: IMPERATIVUL CORELĂRII CRITERIILOR DE APRECIERE A EFICIENȚEI ECONOMICO-FINANCIARĂ ÎN CONTEXTUL INTERGRĂRII ÎNTEPRINDERILOR ÎN STRATEGIA DE DEZVOLTARE DURABILĂ</p> <p>5.7. <u>Mihaela TUROF</u>: SCOPUL ȘI AVANTAJELE IMPLEMENTĂRII UNUI SISTEM DE MANAGEMENT AL CALITĂȚII</p> <p>5.8. <u>Marius Hanqanu</u>: CRITICAL INFRASTRUCTURE SECURITY – THE WAY AHEAD</p> | <p>6.1. <u>Adriana NĂSTASE</u>: ANALOGY BETWEEN THE WING SHAPES OF GLIDING BIRDS AND OF GLOBAL OPTIMIZED FLYING CONFIGURATIONS</p> <p>6.2. <u>Traian FLESER, Marius POP-CALIMANU</u>: CHARACTERISTICS OF JOINING ALUMINIUM MATRIX COMPOSITES</p> <p>6.3. <u>Ștefan GHIMIȘI</u>: EXPERIMENTAL INVESTIGATION OF THE FRETTING PHENOMENON-DEPENDENCE OF NUMBERS CYCLES</p> <p>6.4. <u>Gheorghe ZECHERU, Alin DINITA</u>: IMPACT ASSESSMENT OF THE DENT – GOUGE COMBINATION LIKE FLAWS ON OPERATING SAFETY OF THE NATURAL GAS TRANSMISSION PIPELINE</p> <p>6.5. <u>Alexandru DUMITRACHE, Florin FRUNZULICA, Octavian PREOTU, Horia DUMITRESCU</u>: ANALYSIS OF THE FLOW FOR OPTIMIZING THE COANDA EJECTOR PERFORMANCE</p> <p>6.6. <u>Petru Boeriu, D. Roelvink, A. A. Andargie, C. N. Thilakasiri, A.A. Andargie, A. Moldovanu, F. Izvoranu</u>: THE MATHEMATICAL MODELLING OF THE SEDIMENTATION PROCESS IN LARGE RESERVOIRS - HIGHLIGHTS AND LIMITATIONS</p> |
| 11.00 –11.30 | COFFEE BREAK | |
| 11.30 –13.00 | Plenary Session 7: Economy Chairpersons: Titus SEREDIUC, Diana CRICLIVAIA | Plenary Session 8: Engineering, Applied Mathematics, Computer Sciences Chairpersons: Dumitru TODOROI, Traian FLESER |
| | <p>7.1. <u>Ion LINGA</u>: CONCEPTUL PRIVIND CÂMP INFORMAȚIONAL ÎNTR-UN SISTEM INFORMAȚIONAL AL UNITĂȚII ECONOMICE</p> <p>7.2. <u>Eugenia BUSMACHIU</u> : QUELLES ORIENTATIONS POUR LE SYSTEME DE FISCALITE LOCALE EN MOLDAVIE?</p> <p>7.3. <u>Titus SEREDIUC</u>: CERTAIN FINANCIAL ASPECTS FROM THE FUNCTIONAL SPECTRUM OF THE COMMERCIAL COMPANIES - THE ROMANIAN SITUATION</p> <p>7.4. <u>Daniel GHEORGHICĂ, Victor CROITORU</u>:</p> | <p>8.1. <u>Florin FRUNZULICA, Alexandru DUMITRACHE, Octavian PREOTU, Horia DUMITRESCU</u>: ACTIVE AND PASSIVE CONTROL METHODS ON THE AERODYNAMIC SURFACES</p> <p>8.2. <u>Sergiu PERETETCU, Dumitru TODOROI</u>: COMPUTER GRAPHICS IN INFORMATION, KNOWLEDGE AND CONSCIENCE SOCIETIES</p> <p>8.3. <u>Camelia SZUHANEK, Traian Fleser</u>: MECHNICAL CHARACTERISTICS OF AESTHETIC NITINOL ARCHWIRES</p> <p>8.4. <u>Georgiana C. MINDRILA, Cristina MANDRAVEL</u>:</p> |





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| | <p>CONSIDERATIONS ON SECURITY MANAGEMENT AND MANAGEMENT SECURITY IN IP COMMUNICATIONS NETWORKS</p> <p>7.5. <u>Diana CRICLIVAIA, Inesa BRUMĂ</u>: FISCAL SECURITY – AN EFFICIENT METHOD FOR ENSURING BUDGET INCOMES</p> | <p>THERMODYNAMIC AND STRUCTURAL PROPERTIES CALCULATIONS OF POLYCHLORINATED BIPHENYLS</p> <p>8.5. <u>Corneliu BERBENTE, Sorin BERBENTE</u>: SUPERSONIC REACTING FLOW AROUND A WEDGE CONSIDERING VARIABLE SPECIFIC HEATS WITH TEMPERATURE</p> |
| 14.30 –16.00 | <p>Session 9: Arts & Education Chairpersons: Stela DRAGULIN, Marcel MATIUTI</p> | <p>Session 10: Physics & Chemistry Chairpersons: Thi Hoa NGUYEN, Valeriu DAMIAN</p> |
| | <p>9.1. <u>Valentin Cosmin Blandul</u>: ASPECTS OF FAMILY INVOLVMENT IN EDUCATIONAL PROCESS</p> <p>9.2. <u>Zinaida TODOROI, Dumitru MICUSA</u>: SPIRIT EDUCATION IN CONSCIENCE SOCIETY</p> <p>9.3. <u>Mefodie T. RAȚIU</u>: ON FUNCTIONAL COMPLETENESS IN THE GR. MOISIL DUAL INTUITIONISTIC LOGIC</p> <p>9.4. <u>Anamaria G. MACOVEI</u>: APPLICATIONS OF DIFFERENTIAL SUBORDINATIONS AND SUPERORDINATIONS AND SANDWICH THEOREMS</p> <p>9.5. <u>Stela DRAGULIN</u>: SCHENKERIAN ASPECTS IN PIANO PERFORMANCE</p> <p>9.6: <u>Stela DRAGULIN, Veronica DEMENESC</u>: SONATA IN DOMENICO SCARLATTI'S CREATION</p> | <p>10.1. <u>Maria Magdalena DICU, Catalin DUCU, Sorin MOGA, Denis NEGREA, Dorel DOROBANTU, Marius ENĂCHESCU</u>: DEPOSITION OF THE POROUS TITANIA FILMS BY PLASMA ELECTROLYTIC OXIDATION OF TITANIUM SUITABLE FOR BIOMEDICAL APPLICATION</p> <p>10.2. <u>Thi Hoa NGUYEN, Valeriu DAMIAN</u>: STUDY OF NONLINEAR ELASTIC DEFORMATION OF QUANTUM-CRYSTALS</p> <p>10.3. <u>Veacheslav ZELENTSOV, Tatiana DATSKO, Elena DVORNIKOVA</u>: CHARACTERIZATION OF DIATOMITE MODIFIED BY STRUCTURAL-CHEMICAL METHOD</p> <p>10.4. <u>M.S. Iovu, V.G. Benea, I.A. Cojocaru, E.P. Colomeico, V.E. Tazlavan, M.A. Iovu</u>: NEW OPTICAL MATERIALS BASED ON CHALCOGENIDE GLASSES</p> <p>10.5. <u>Valeriu DAMIAN, Cristian Iosifescu, Thi Hoa NGUYEN</u>: ANALYTICAL COMPARISON BETWEEN VAPOR COMPRESSION AND CRYOGENIC FREEZING</p> <p>10.6. <u>Denis NEGREA, Catalin DUCU, Sorin MOGA, Viorel MALINOVSKI, Daniela EBRASU, Dorel DOROBANTU, Marius ENĂCHESCU</u>: MICROSTRUCTURAL ANALYSIS OF MAGNETRON SPUTTERED Pt CATALYST ON CARBON CLOTH FOR PROTON EXCHANGE MEMBRANE FUEL CELLS</p> |
| 16.30 –17.00 | COFFEE BREAK | |
| | Plenary Session Chairman: Ion PARASCHIVOIU | |
| 17.00 –17.30 | <u>Marius Enachescu</u> : NANOTECHNOLOGY TOOLS: SCANNING TUNNELING MICROSCOPY AND ATOMIC FORCE MICROSCOPY | |
| 17.30 –18.00 | 15 min Walk to the West University of Timisoara, Bv. V. Parvan 4, Eugen Todoran Library Hall (see map), | |
| 18.00-19.00 | West University of Timisoara, Bv. V. Parvan 4, Eugen Todoran Library Hall (see map) Musical event, Chairperson: Stela Dragulin | |
| 18.00 –19.00 | <p><u>Stela Dragulin</u> - Welcome to the Eugen Todoran Library Hall and musical evening</p> <p>Soloists: <u>Camelia FURNWALD DOCEA</u> – mezzosopran, Banatul Philharmonic Orchestra – Timișoara, <u>Drd. Cosmina Silvia CORDUN STITZL</u> – mezzosopran, Musikschule CSSM Stuttgart – Germany</p> <p>Piano: <u>Dr. Silvana Ana CÎRDU</u>, West University of Timisoara, Music Faculty, <u>Anca BRAȘOVEANU</u>, West University of Timisoara, Music Faculty</p> | |





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| 19.00 –19.15 | 10 min Walk to the POLITEHNICA Restaurant, Complexul Studentesc (see map), Strada Alexandru Vaida Voievod, Timisoara |
| 19.15 | Salutation from the Timis Council (Consiliul Judetean Timis) Official Dinner with Culture, Art & Awards Events |
| 19.30-23.00 | Awards offered by ARA &Folklore Evening accomplished by the „Banatul” Assembly: <u>Orchestral suite & instrumental soloists & Vocal soloists:</u> Taragot - ION PEPTENAR, pan pipe - LUCA MADALIN STANA STEPANESCU, MARIANA ȘUȘCA, CIPRIAN POP, CODRUTA MOLDOVAN Music and Choreography representing specific geographical regions and traditions: Banat, Moldova, Bihor, Căluș Conductor: MĂDĂLIN LUCA, Choreography: MILOSAV TATARICI Note: Please be in time at the restaurant. The show will start 19.30 sharp. Classic and dancing program: DUO COLOMPAR Part I: international music, Part II: Violin virtuosity and dance music Sound& Music :DJ Stefan |

| Friday 08.07.2011 | | |
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| | Large Audience Senate Hall, Rectorat Univ. Politehnica, (Piata Victoriei nr 2, Timisoara) | Small Audience Senate Hall, Rectorat Univ. Politehnica, (Piata Victoriei nr 2, Timisoara) |
| 8.30-9.00 | Registration & Delivery of the Power point presentations to the Help-Assistance desk | |
| 9.00 – 9.30 | Plenary Session Chairperson: Dumitru TODOROI | |
| | <i>Liudmila STIHI: VALORIFICAREA CAPITALULUI UMAN AL ÎNTREPRINDERII ÎN SOCIETATEA CONȘTIINȚEI</i> | |
| 9.30-11.00 | Session 11: Arts & Education Chairpersons: Olga IZBASH, Dumitru TODOROI | Session 12: Physics & Chemistry Chairperson: Liliana ROSU, Mircea BOLOGA |
| | 11.1. <i>Olga Izbash: NON-EXISTENCE OF FINITE APPROXIMATION RELATIVE TO MODEL-COMPLETENESS IN THE PROVABILITY-INTUITIONISTIC LOGIC</i> 11.2. <i>Cornelia Neagu: THE ROLE OF MOTIVATIONAL FACTOR IN STIMULATING THE PRODUCTIVE POTENTIAL OF HUMAN RESOURCE</i> 11.3. <i>Anamaria G. Macovei: SUBCLASSES OF UNIVALENT FUNCTIONS DEFINED BY CONVOLUTION</i> 11.4. <i>Diana Micusa, Nicoleta Todoroi: CONȘCIENȚA PYRAMID</i> 11.5. <i>Cornelia Neagu, Marina Badaileanu, Andrei Dospinescu: ICT SECTOR ASSESSMENT AND COMPETENCE IN THE FIELD, REFLECTING ON THE OCCUPATIONAL STRUCTURE IN VARIOUS COUNTRIES</i> 11.6. <i>Dan Popa: ADAPTABLE SOFTWARE – MODULAR EXTENSIBLE MONADIC EVALUATOR AND TYPECHECKER BASED ON PSEUDOCONSTRUCTORS</i> | 12.1. <i>Natalia Popova, Andrei Papcenco, Mircea Bologa: INFLUENȚA IMPULSURIILOR ELECTRICE ASUPRA STRUCTURII CELULELOR MATERIEI PRIME VEGETALE</i> 12.2. <i>Elvira Sprincean, Mircea Bologa: ASPECTE ALE ACTIVĂRII ELECTROFIZICOCHEMICE</i> 12.3. <i>Teodor Grosu, Mircea Bologa, Alexandru Bologa: FORȚELE ELECTROMAGNETICE ÎN DIELECTRICI FLUIZI</i> 12.4. <i>V.I. Zelentov, Tatiana Datko, Elena Dvorinikova: CARACTERIZAREA DIATOMITULUI MODIFICAT PRIN METODA STRUCTURAL-CHIMICĂ</i> 12.5. <i>Liliana ROSU, Dan ROSU, Stefan OPREA: PREDICTING AND CONFIRMING THE LIFETIME OF THE POLYURETHANES</i> 12.6. <i>Liliana ROSU, Dan ROSU, Cristian GAVAT: THE INFLUENCE OF UV RADIATIONS ON SOME DYES TEXTILES</i> |





| 11.00 – 11.30 | | COFFEE BREAK |
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| 11.30 – 13.00 | <p>Session 13: Arts & Education Chairpersons: Elena Andreea TRIF-BOIA, Dumitru TODOROI</p> | <p>Session 14: Environment Chairpersons: Carmen-Luminita MATIUTI, Constantin SASU</p> |
| | <p>13.1. <u>Dumitru Todoroi</u>: CONSCIENCE SOCIETY. STAGE DEVELOPMENT 13.2. <u>Tudor St. Leahu</u>: UN CONCEPT AL COMPOZIȚIEI, ELABORĂRII ȘI FUNCȚIONĂRII FONDULUI INFORMAȚIONAL INFORMATIV UNITAR AL BAZEI UNITARE DE CUNOȘTINȚE ECONOMICE 13.3. <u>Gabriel Cristian Bajenaru</u>: ASPECTE SEMNIFICATIVE PRIVIND REFORMA SISTEMULUI DE EVALUARE DIN ROMÂNIA 13.4. <u>George Coanda</u>: VECHEA EUROPĂ CULTURALĂ DIN VECHEA ROMÂNIE 13.5. <u>Elena Andreea Trif-Boia</u>: EROI ROMÂNI AI LIBERTĂȚII AMERICANE, GEORGE POMUȚ ȘI NICOLAE DUNCA</p> | <p>14.1 <u>ION VETRES, IOANA IONEL, MALAN BASSIM</u>, AEROSOL LAYERS INVESTIGATION BY LIDAR SYSTEMS, SATELLITE IMAGES AND TRAJECTORY MODELS 14.2. <u>Catalin NISULESCU, Ioana IONEL, Delia CALINOIU</u>, REMOTE SENSING MEASUREMENT TECHNIQUE FOR SO₂ EMISSIONS 14.3. <u>Adina Gheorghian, Adrian Irimescu</u>: CALIBRATION OF CONVECTIVE HEAT TRANSFER MODELS FOR COMBUSTION ANALYSIS IN SPARK IGNITION ENGINES 14.4. <u>Marcel MATIUTI, Carmen-Luminita MATIUTI</u>: THE NECESSITY OF GENE BANKS IN ORDER TO PROTECT THE BREEDS CREATED ON ROMANIAN TERRITORY 14.5. <u>Constantin SASU, Luciana SASU</u>: EXPLORING THE TOURISM IMAGE OF ROMANIA 14.6. <u>Ramon-Mihai BALOGH, Ioana IONEL, Dan Simion STEPAN, Nicolae LONTIS</u>: SCR-SYSTEM APPLIED ON OFF ROAD VEHICLE TO REDUCE NO_x 14.7 <u>Marcel MATIUTI, Carmen-Luminita MATIUTI</u>: HUNTING PARK IN THE BANAT OF TIMISOARA COUNTY UNDER CYNEGETIC BIODIVERSITY, ZOO-TECHNICAL AND ECONOMIC ASPECTS 14.8. <u>ADRIAN EUGEN CIOABLĂ, IOANA IONEL, ION VETREȘ, GABRIELA ALINA DUMITREL</u>: BIOMASS BEHAVIOR DURING ANAEROBIC FERMENTATION – EXPERIMENTAL APPROACH</p> |
| 14.30 – 16.00 | <p>Session 15: Biology & Medicine Chairpersons: Rodica Avram, Tudor Ciocarlie</p> | |
| | <p>15.1. <u>Ilie POPA, Magdalena Adina CIOBANU</u>: NANOROBOTICS IN MEDICINE 15.2. <u>Camelia SZUHANEK</u>: BIOMECHANICAL AND CLINICAL CONSIDERATIONS OF OPENBITE TREATMENT IN ADULTS 15.3. <u>Victor Dan Moga, Tudor Ciocarlie, Mariana Moga</u>: THE CLINICAL VALUE OF NONLINEAR DYNAMICS PARAMETERS AS TOOL FOR ECG SIGNAL PROCESSING 15.4 <u>Rodica AVRAM, Mihai BALINT Iulian AVRAM</u>: CLINICAL PARTICULARITIES IN PULMONARY THROMBOEMBOLISM 15.5. <u>Anghel CERNEȘCU, Camelia SZUHANEK</u>,</p> | |





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| | <p><i>Nicolae FAUR, Traian FLEȘER: BIOMECHANICAL ANALYSIS OF TWO ORTHODONTIC CLOSING SPACES METHODS</i></p> <p>15.6. <i>Camelia, SZUHANEK, Traian FLEȘER: MECHANICAL PROPERTIES OF CERAMIC ORTHODONTIC BRACKETS</i></p> <p>15.7. <i>Mariana Tudoran, Cristina Tudoran, Cătălina Giurqi: PROGNOSTIC IMPROVEMENT WITH ANTIDEPRESSIVE THERAPY IN PATIENTS WITH MYOCARDIAL INFARCTION</i></p> | |
| 16.30 – 17.00 | COFFEE BREAK | |
| | Plenary Session Chairman: Luminita GLIGA | |
| 17.00 – 17.30 | <p><i>Dorin Stoica: BRANDOM - INFERENTIALISM AND THE FINE STRUCTURE OF RATIONALITY, OR HOW WE CAN OBTAIN OBJECTIVITY IN PHILOSOPHY</i></p> | |
| 17.30 – 18.00 | <p><i>Mihai Hodoroșea: DUALISMUL UNDE PARTICULĂ ÎN FIZICA MODERNĂ</i></p> | |
| 18.00 – 18.30 | <p><i>George Lana: MIHAI OLTEANU – ART OF COLOUR AND LIGHT</i></p> | Exhibition of Mihai Olteanu |
| 18.30- 20.30 | Cocktail offered by the ARA | |

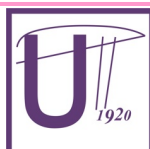
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| Saturday 09.07.2011 | | |
| 09.00 – 11.00 | <p>Guided city tour offered by the City Major of Timisoara: <i>Timisoara by foot</i> Starting point: Rectorat of the <i>POLITEHNICA</i> University of Timisoara, Piata Victoriei 2 (see map)</p> | |
| | <p>Large Audience Senate Hall, Rectorat Univ. <i>Politehnica</i>, (Piata Victoriei nr 2, Timisoara) Chairpersons: Ion Paraschivoiu, Ioan DAVID</p> | |
| 11.30 – 11.45 | <p><i>Valeriu Damian: CONCLUDING REMARKS – REVIEWED BY AN ENGINEER</i></p> | |
| 11.45 - 12.30 | Closing ceremony of the congress | |
| 12.30 - 13.30 | General Assembly of ARA | |
| 13.30 – 15.30 | Social program (on request) | |

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| Sunday 10.07.2011 | | |
| 09.30 – 12.30 | <p>Cultural & Social program (on request): Visit to the Jetza House- TRIADE Gallery http://www.jecza.ro/</p> | |

The support and sponsorship of the co-organizers Consiliul Judetean TIMIS and Primaria Municipiului TIMISOARA, in addition to the main organizer's effort and dedication - Universitatea "POLITEHNICA" from Timisoara - are outstanding and all are acknowledged.

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Dear participants: Please ensure that you are present for the entire development of the congress. Also note that the oral presentations should be accomplished by using a projector, and prepare it in Power Point 2003. Deliver the presentations at the support engineer Mr. Eng. Avram Mihai, at least 30 min in advance. He or his assistant will be present at the Support desk, near by the Large SENAT room, in the Rectorat building. Please also note that the paper or key note speak is delivered not only for specialist, but also for a *larger audience, of different background*. Relevant information should address these levels.

Dear Chairpersons: Thanks for the effort! You are friendly acknowledged for the support and cooperation of the event. Please keep the timing according to the time interval, and assure that the breaks are running as scheduled. You will have to deliver a short report of the modality how the session you are chairing occurred. Note also to preserve time for discussions as well. Opinions might be exchanged and expressed, free and in relevance to the presentations.

Dear all: We are filming on line all the congress to mark its quality and organization conditions, and to have a remembrance, on request. Please be sure that you are supporting by all means the entire program.

Responsible for all the organization, but also for the mistaken aspects occurred during the preliminary organization and the conference, in despite the good intention, are:

Prof. dr. ing. Ioana IONEL, Prof. dr. ing. Traina FLESER, Ing. Ioan VETRES

and the team performed by Daiana Baliga, Laurentiu Calin, Delia Calinoiu, Viorica Cebrucean, Adrian Cioabla,

Luisa Dungan, Adelina Han, Adrian Irimescu, Gavrilă Trif-Tordai, Nicolae Lontis, Catalin Nisulescu,

Francisc Popescu, Raluca Vaduva, Mircea Visescu.

Appreciations to the reviewers for their effort and work!

Not at least a word of thanks is addressed to the POLITEHNICA Printing House!

ARA expresses deep appreciations to all!



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| 3 | --- Large and Small Audience Senate Hall, Rectorat Univ. Politehnica, (Piata Victoriei nr 2) |
| 4 | --- Restaurant Universitar Politehnica (University Restaurant Politehnica) Complexul Studentesc, Strada Alexandru Vaida Voievod |
| 5 | --- Casa Politehnicii Nr. 1), Bl. Regele Ferdinand, nr. 2 |
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