



**UNIVERSITY OF CRAIOVA  
FACULTY OF MECHANICS**



**ICOME 2010**

*CONFERENCE PROGRAM*



*27<sup>th</sup> – 30<sup>th</sup> of April 2010*  
**CRAIOVA – ROMANIA**



# UNIVERSITY OF CRAIOVA FACULTY OF MECHANICS



## FINAL PROGRAM OF ICOME 2010 CONFERENCE CRAIOVA - ROMANIA

### Tuesday 27<sup>th</sup> of April 2010

17 <sup>00</sup> – 18 <sup>00</sup>	Receiving guests, registration	University's House
19 <sup>00</sup>	Welcome party	University's House

### Wednesday 28<sup>th</sup> of April 2010

9 <sup>00</sup> – 10 <sup>00</sup>	Receiving guests, registration	Blue hall – Central building
10 <sup>00</sup> – 11 <sup>30</sup>	Doctor Honoris Causa Ceremony in honor of Prof. Marco Ceccarelli	Blue hall – Central building
11 <sup>30</sup> – 12 <sup>00</sup>	Coffee break	Blue hall – Central building
12 <sup>00</sup> – 14 <sup>00</sup>	Conference opening ceremony, invited speakers	Blue hall – Central building
14 <sup>00</sup> – 15 <sup>30</sup>	Lunch break	University's House
16 <sup>00</sup> – 17 <sup>45</sup>	Papers presentation / sections	University's House
17 <sup>45</sup> – 18 <sup>15</sup>	Coffee break	University's House
18 <sup>15</sup> – 19 <sup>30</sup>	Papers presentation / sections	University's House
20 <sup>30</sup>	Festive dinner	Plaza Hotel

### Thursday 29<sup>th</sup> of April 2010

10 <sup>00</sup> – 11 <sup>30</sup>	Papers presentation / sections	University's House
11 <sup>30</sup> – 12 <sup>00</sup>	Coffee break	University's House
12 <sup>00</sup> – 14 <sup>00</sup>	Companies presentation	University's House
14 <sup>00</sup> – 16 <sup>00</sup>	Lunch break	University's House
16 <sup>00</sup> – 18 <sup>00</sup>	Papers presentation / sections	University's House
19 <sup>00</sup>	Dinner	Art Museum

### Friday 30<sup>th</sup> of April 2010

9 <sup>00</sup> – 11 <sup>30</sup>	Trip to Orșova	---
12 <sup>00</sup> – 17 <sup>00</sup>	Danube cruise + lunch	Boat

## International Conference ICOME 2010

### Plenary session – invited speakers

<b>Wednesday 28<sup>th</sup> of April 2010</b>		<i>Blue hall – Central building</i>
<b><i>Honoris Causa Ceremony – Prof. Marco Ceccarelli</i></b>		
<b><i>10<sup>00</sup> – 11<sup>30</sup></i></b>	A PERSPECTIVE OF MECHANISM AND MACHINE SCIENCE FROM THE PAST TO THE FUTURE	<i>Prof. Ceccarelli Marco University of Cassino. Italy</i>

<b>Wednesday 28<sup>th</sup> of April 2010</b>		<i>Blue hall – Central building</i>
<b><i>Invited Speakers</i></b>		
<b><i>12<sup>00</sup> – 12<sup>30</sup></i></b>	OPEN CEREMONY	
<b><i>12<sup>30</sup> – 13<sup>00</sup></i></b>	HYPER-REDUNDANT ROBOTS	<i>Prof. Ivanescu Mircea University of Craiova. Romania</i>
<b><i>13<sup>00</sup> – 13<sup>30</sup></i></b>	ADVANCED MECHANISMS FOR SUSTAINABLE ENERGY SYSTEMS	<i>Prof. Visa Ion „Transilvania” University Brasov. Romania</i>
<b><i>13<sup>30</sup> – 14<sup>00</sup></i></b>	NUMERICAL FLOW SIMULATION APPLIED TO FLOW METERING	<i>Prof. von Lavante Ernst University Duisburg-Essen. Germany</i>

**International Conference ICOME 2010**  
**Scientific papers schedule**  
**Section: Modeling and Simulation in Mechanical Engineering**

<b>Wednesday 28<sup>th</sup> of April 2010 16<sup>00</sup> – 17<sup>45</sup> University's House – EMINESCU Salon</b>		
<b>Chair: Professor Ceccarelli Marco, University of Cassino</b>		
<b>Co-chair: Professor Tarnita Daniela, University of Craiova</b>		
<b>Secretary: Assistant Copilusi Cristian, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	MODELING AND SIMULATION OF A DIDACTIC MANIPULATOR-ROBOT WITH HELP CATIA SOFT	Antonescu Ovidiu, Antonescu Paun
<b>16<sup>15</sup> – 16<sup>30</sup></b>	THE STEERING MECHANISM MODELING, CONSIDERING THE DEFORMABLE ELEMENTS	Dumitru Nicolae, Rosca Adrian, Margine Alexandru, Copilusi Cristian, Marinescu Gabriel
<b>16<sup>30</sup> – 16<sup>45</sup></b>	INFRARED THERMOGRAPHY COUPLED WITH REVERSE PROBLEM AT FINITE ELEMENT ANALYSIS	Rosca Adrian, Craciunoiu Nicolae, Ciolacu Filip
<b>16<sup>45</sup> – 17<sup>00</sup></b>	DESIGNING MECHANICAL ARTICULATED HANDS – A DIFFICULT PURSUIT TO COPY THE HUMAN HAND	Berceanu Cosmin, Tarnita Daniela, Filip Dumitru, Stanimir Alexandru, Stanimir Marius
<b>17<sup>00</sup> – 17<sup>15</sup></b>	MODELING DYNAMIC BEHAVIOR OF HUMAN UPPER LIMB KINEMATIC CHAIN	Greco Valentin, Dumitru Nicolae, Ciupitu Ion, Greco Luminita
<b>17<sup>15</sup> – 17<sup>30</sup></b>	NEW STEADY-HAND EYE ROBOT WITH MICROFORCE SENSING AND SERVOING FOR VITREORETINAL SURGERY	U' Neri Ali, Balicki Marcin, Handa James, Taylor Russell, Iordachita Iulian
<b>17<sup>30</sup> – 17<sup>45</sup></b>	CONSIDERATION ABOUT THE SIMULATION OF THE OSTEOSYNTHESIS FOR THE HUMAN ELBOW BONES USING METALLIC IMPLANTS	Borgazi Erdin, Popa Dragos, Tutunea Dragos, Gherghina George, Bogdan Mihaela
<b>Wednesday 28<sup>th</sup> of April 2010 18<sup>15</sup> – 19<sup>30</sup> University's House – EMINESCU Salon</b>		
<b>Chair: Professor von Lavante Ernst, Duisburg-Essen University. Germany</b>		
<b>Co-chair: Lecturer Rosca Adrian, University of Craiova</b>		
<b>Secretary: Assistant Copilusi Cristian, University of Craiova</b>		
<b>18<sup>15</sup> – 18<sup>30</sup></b>	ON STATIC BEHAVIOR OF DENTAL IMPLANTS UNDER DIFFERENT LOAD DIRECTIONS	Özyilmaz Emre, Aykul Halil, Dalkiz Mehmet, Kara Emre
<b>18<sup>30</sup> – 18<sup>45</sup></b>	NUMERICAL MODELING OF THE CHARPY TEST, AN IMPROVING WAY OF OBTAINED RESULTS BY THE EXPERIMENTAL METHOD	Nastasescu Vasile
<b>18<sup>45</sup> – 19<sup>00</sup></b>	INVERSE DYNAMIC ANALYSIS OF THE FRANCIS TURBINE DIRECTOR DEVICE	Semenescu Danel, Dumitru Nicolae, Ghercioiu Jeni, Malciu Raluca
<b>19<sup>00</sup> – 19<sup>15</sup></b>	MODELLING OF THE COAL DUST FLOW IN BURNERS OF THE COAL BOILER BY TYPE MAN 510 T/H	Talu Mihai, Bica Marin, Talu Stefan
<b>19<sup>15</sup> – 19<sup>30</sup></b>	ON THE MODELLING OF CONVENTIONAL VERTICAL AIRFLOW IN SURGICAL OPERATING ROOMS	Talu Mihai, Talu Stefan, Bica Marin



<b>Thursday 29<sup>th</sup> of April 2010 10<sup>00</sup> – 11<sup>30</sup></b>		<i>University's House – EMINESCU Salon</i>
<b>Chair: Professor Antonescu Paun, Politehnica University of Bucharest</b>		
<b>Co-chair: Professor Dumitru Nicolae, University of Craiova</b>		
<b>Secretary: Assistant Geonea Ionut, University of Craiova</b>		
<b>10<sup>00</sup> – 10<sup>15</sup></b>	THE USE OF THE FOUR-BAR MECHANISM TO THE AIR VEHICLES' FLAPPING WING	<i>Malciu Tiberiu, Sepcu Lucian, Lungu Mihai, Malciu Raluca</i>
<b>10<sup>15</sup> – 10<sup>30</sup></b>	KINEMATIC MODELING AND SIMULATION OF QUADRUPED BIOMECHANISM	<i>Micu Cristina, Geonea Ionut, Buzea Eleni, Manea Valentina.</i>
<b>10<sup>30</sup> – 10<sup>45</sup></b>	DYNAMIC ANSWER AND EXPERIMENTAL RESEARCH CONCERNING THE MECHANISMS OF MOWERS MACHINE	<i>Micu Cristina, Geonea Ionut, Cotescu Daniela</i>
<b>10<sup>45</sup> – 11<sup>00</sup></b>	CHANGES IN THE TECHNOLOGICAL PARAMETERS OF THE DRYING PROCESS OF GRAIN AND TECHNICAL PLANTS IN A FLUID BED	<i>Cernaianu Corina, Bica Marin, Tutunea Dragos, Stancut Adriana, Dima Alexandru</i>
<b>11<sup>00</sup> – 11<sup>15</sup></b>	CONSIDERATIONS ON ADVANTAGES and CHALLENGES OF COMPLIANT MECHANISMS	<i>Dumitrache Ionut, Dumitru Nicolae</i>
<b>11<sup>15</sup> – 11<sup>30</sup></b>	CONSIDERATIONS ON BIOMATERIALS AND THEIR USE IN MEDICINE	<i>Dumitrache Ionut</i>
<b>Thursday 29<sup>th</sup> of April 2010 16<sup>00</sup> – 18<sup>00</sup></b>		<i>University's House – EMINESCU Salon</i>
<b>Chair: Professor Tempea Iosif, Politehnica University of Bucharest</b>		
<b>Co-chair: Professor Craciunoiu Nicolae, University of Craiova</b>		
<b>Secretary: Assistant Geonea Ionut, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	INTERNAL DATA ACCESS BASED ON ARX LIBRARY AND MFC	<i>Nanu Andrei, Rosca Adrian</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	MULTI-SCALE THERMAL CONTACT RESISTANCE	<i>Jackson Robert, Wilson W. Everett, Marghitu Dan, Craciunoiu Nicolae</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	SPHERE CONTACT WITH GRANULAR MEDIA	<i>Marghitu Dan, Seunghun Lee, Craciunoiu Nicolae</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	METHOD OF ANALYSIS FOR INDUSTRIAL BUILDINGS STRUCTURES MADE OF METAL	<i>Duta Alina, Gugila Olga, Negru Mihai, Sass Ludmila</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	ANALYSIS OF PRIMARY AIR FLOW INSIDE A BURNING COAL DUST WITH F.E.M.	<i>Tudor Viorel</i>
<b>17<sup>15</sup> – 17<sup>30</sup></b>	KINEMATIC ANALYSIS OF A HUMAN ANKLE JOINT PROSTHESIS	<i>Copilusi Petre Cristian</i>
<b>17<sup>30</sup> – 17<sup>45</sup></b>	BIOMATERIALS USED TO BUILT DENTURES	<i>Ciortan Marinela</i>
<b>17<sup>45</sup> – 18<sup>00</sup></b>	KINEMATICAL ANALYSIS OF HUMAN FOOT MOVEMENT	<i>Filip Dumitru, Tarnita Daniela, Rusu Florin</i>

<b>Thursday 29<sup>th</sup> of April 2010 10<sup>00</sup> – 11<sup>30</sup></b>		<i>University's House – PIRU Salon</i>
<b>Chair: Professor Bica Marin, University of Craiova</b>		
<b>Co-chair: Lecturer Bolcu Dumitru, University of Craiova</b>		
<b>Secretary: Assistant Racila Laurentiu, University of Craiova</b>		
<b>10<sup>00</sup> – 10<sup>15</sup></b>	THE THREE-DIMENSIONAL PRINTING TECHNOLOGY USED FOR BIOMECHANICAL PROTOTYPES	<i>Tarnita Daniela, Berceanu Cosmin, Tarnita Dan, Cismaru Florin</i>
<b>10<sup>15</sup> – 10<sup>30</sup></b>	NUMERICAL SIMULATIONS OF THE VIRTUAL MODEL OF ULNA BONE	<i>Cismaru Florin, Tarnita Daniela, Boborelu Cristi, Belu Eliana</i>
<b>10<sup>30</sup> – 10<sup>45</sup></b>	MODELING AND ANALYSIS ON ADJUSTABLE VANE	<i>Semenescu Danel, Craciunoiu Nicolae, Dumitru Nicolae, Manea Ion</i>
<b>10<sup>45</sup> – 11<sup>00</sup></b>	STRUCTURAL ANALYSIS OF HIGH VOLTAGE ELECTRIC EQUIPMENT WITH A VIEW TO THE SEISMIC CAPABILITY ASSESSMENT	<i>Manea Ion</i>
<b>11<sup>00</sup> – 11<sup>15</sup></b>	PREVENT TEMPERATURE SWINGS IN SUNROOMS WITH FIBERGLASS HEAT STORAGE TUBES FOR SOLARIUM COOLING AND SOLAR HEAT STORAGE	<i>Mogosanu Anca, Calbureanu Madalina</i>

**International Conference ICOME 2010**  
**Scientific papers schedule**  
*Section: Applied Mechanics and Mechatronic Systems*

<b>Wednesday 28<sup>th</sup> of April 2010 16<sup>00</sup> – 17<sup>45</sup></b> <i>University's House – ROMANESCU Salon</i>		
<b>Chair: Professor Aykul Halil, Hitit University, Turkey</b>		
<b>Co-chair: Professor Bagnaru Dan, University of Craiova</b>		
<b>Secretary: Assistant Geonea Ionut, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	A COMPARATIVE STUDY CONCERNING THE TRANSVERSAL DISPLACEMENTS FIELDS OF A THIN PLANAR PLATE HAVING A LINEAR ELASTIC BEHAVIOR VERSUS A THIN PLANAR PLATE	<i>Bagnaru Dan, Bolcu Dumitru, Stanescu Marius, Rizescu Sabin</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	CONSIDERATION ABOUT VIBRATIONS OF THE THICK PLATES	<i>Bagnaru Dan, Cataneanu Adina, Cataneanu Mihnea</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	AN ANALYTICAL ELASTIC-PLASTIC STRESS ANALYSIS IN A WOVEN STEEL REINFORCED THERMOPLASTIC CANTILEVER BEAM LOADED UNIFORMLY	<i>Aykul Halil, Sayman Onur, Özyilmaz Emre, Kara Emre</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	ELASTIC, PLASTIC AND RESIDUAL STRESS ANALYSIS IN SYMMETRIC THERMOPLASTIC LAMINATED PLATES UNDER VARIOUS TEMPERATURE CHANGE THROUGH THE THICKNESS: ANALYTICAL SOLUTION	<i>Kara Emre, Aykul Halil, Sayman Onur, Özyilmaz Emre</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	INVESTIGATIONS OF TENSION-TENSION PRE-STRESS EFFECTS ON GLASS REINFORCED COMPOSITE PLATES UNDER THE LOW-VELOCITY IMPACT	<i>Kursun Ali, Şenel Mahomet</i>
<b>17<sup>15</sup> – 17<sup>30</sup></b>	CREEP AND DAMAGE OF RUBBERS SURROUNDED BY AGGRESSIVE MEDIA	<i>Hadjov Kliment, Alexandrov Alexander, Hallil Giunai, Milenova Milena, Marin Mihnea</i>
<b>17<sup>30</sup> – 17<sup>45</sup></b>	POSITION ANALYSIS IN POLYNOMIAL FORM OF CLASS-THREE RP-RP-RP ASSUR GROUP	<i>Mitsi Sevasti, Bouzakis Konstantinos, Mansour Gabriel, Popescu Iulian</i>
<b>Wednesday 28<sup>th</sup> of April 2010 18<sup>15</sup> – 19<sup>30</sup></b> <i>University's House – ROMANESCU Salon</i>		
<b>Chair: Professor Ocnarescu Constantin, Politehnica University of Bucharest</b>		
<b>Co-chair: Professor Mihnea Marin, University of Craiova</b>		
<b>Secretary: Assistant Geonea Ionut, University of Craiova</b>		
<b>18<sup>15</sup> – 18<sup>30</sup></b>	A GEOMETRIC DISCRETE MODEL FOR THE SECOND ORDER SYSTEMS	<i>Popescu Marcela, Popescu Paul</i>
<b>18<sup>30</sup> – 18<sup>45</sup></b>	A SECOND ORDER EXTENSION OF EULER EQUATIONS	<i>Popescu Paul, Popescu Marcela</i>
<b>18<sup>45</sup> – 19<sup>00</sup></b>	MECHANISM OF SIX-SPEED AUTOMATIC TRANSMISSION	<i>Antonescu Ovidiu, Antonescu Daniela</i>
<b>19<sup>00</sup> – 19<sup>15</sup></b>	THE SYNTHESIS OF A MECHANISM WITH CAM WHICH IS FUNCTION GENERATOR	<i>Popescu Iulian, Luca Liliana</i>
<b>19<sup>15</sup> – 19<sup>30</sup></b>	THE SYNTHESIS OF A PLANETARY MECHANISMS COMPLETED WITH A DYAD, WHICH ENSURES THE TEMPORARY STOP OF THE FINAL HEADED ELEMENT	<i>Luca Liliana, Popescu Iulian</i>

<b>Thursday 29<sup>th</sup> of April 2010 10<sup>00</sup> – 11<sup>30</sup></b> <i>University's House – ROMANESCU Salon</i>		
<b>Chair: Professor Rosca Valcu, University of Craiova</b>		
<b>Co-chair: Professor Nanu Gheorghe, University of Craiova</b>		
<b>Secretary: Assistant Copilusi Cristian, University of Craiova</b>		
<i>10<sup>00</sup> – 10<sup>15</sup></i>	CONTRIBUTIONS AT HYDRODYNAMIC CALCULUS OF HYDRAULIC ENGINE SEGNER	<i>Stan Marinica</i>
<i>10<sup>15</sup> – 10<sup>30</sup></i>	DIDACTIC REDUNDANT MANIPULATOR	<i>Ocnarescu Constantin</i>
<i>10<sup>30</sup> – 10<sup>45</sup></i>	RESPONSE STATISTICS OF NONLINEAR OSCILLATORS UNDER WHITE NOISE EXCITATION	<i>Popa Dinel, Stan Petre</i>
<i>10<sup>45</sup> – 11<sup>00</sup></i>	THE POWER SPECTRAL DENSITY OF RESPONSE FOR NON-LINEAR OSCILLATORS WITH THE NONLINEAR DAMPING FORCE	<i>Popa Dinel, Stan Petre</i>
<i>11<sup>00</sup> – 11<sup>15</sup></i>	SOME APPLICATIONS FOR WOHLHART MECHANISM	<i>Dahan Marc, Racila Laurentiu</i>
<i>11<sup>15</sup> – 11<sup>30</sup></i>	THE EFFECTS OF THE MODULATION POWER ON THE ENERGETIC SAVING UTILISING A CONDENSING BOILER	<i>Bozzini Fausto, Anoaica Paul</i>
<b>Thursday 29<sup>th</sup> of April 2010 16<sup>00</sup> – 18<sup>00</sup></b> <i>University's House – ROMANESCU Salon</i>		
<b>Chair: Professor Dahan Marc, FEMTO – ST. University of Franche-Comté. France</b>		
<b>Co-chair: Professor Ilincioiu Dan, University of Craiova</b>		
<b>Secretary: Assistant Copilusi Cristian, University of Craiova</b>		
<i>16<sup>00</sup> – 16<sup>15</sup></i>	MECHANICAL STRENGTH OF THE RTR STRUCTURAL GROUP	<i>Ilincioiu Dan, Miritoiu Cosmin, Johrend Helmut</i>
<i>16<sup>15</sup> – 16<sup>30</sup></i>	HYDROSTATIC TRANSFORMER FOR IRRIGATION SYSTEMS	<i>Radulescu Mircea, Buzatu Stefan, Popescu Ion</i>
<i>16<sup>30</sup> – 16<sup>45</sup></i>	ABOUT HYDRAULIC IMPEDANCE CALCULATION	<i>Radulescu Mircea, Cranta Ionut Adrian</i>
<i>16<sup>45</sup> – 17<sup>00</sup></i>	DYNAMICS AND CONTROL OF A FLEXIBLE BEAM WITH IMPACTS	<i>Marghitu Dan, Diaconescu Cristian, Craciunoiu Nicolae, Dumitru Nicolae</i>
<i>17<sup>00</sup> – 17<sup>15</sup></i>	AN APPROXIMATION SOLUTION OF THE DIRECT LINEAR ELASTIC CONTACT PROBLEM	<i>Talu Mihai, Talu Stefan</i>
<i>17<sup>15</sup> – 17<sup>30</sup></i>	MATHEMATICAL MODELLING OF HUMAN EYE ROTATIONS AND POSITIONS USING ROTATION MATRICES AND QUATERNIONS	<i>Talu Stefan, Talu Mihai</i>
<i>17<sup>30</sup> – 17<sup>45</sup></i>	STRESSES FIELD DISTRIBUTION FOR THE R520 STEEL TO AN OSCILLATOR POSITIVE FATIGUE SOLICITATION	<i>Rosca Valcu, Geonea Ionut, Radulescu Mircea</i>
<i>17<sup>45</sup> – 18<sup>00</sup></i>	INFLUENCE OF ASYMMETRY COEFFICIENT VARIATION UPON THE STRESSES FROM THE CRACK TIP TO AN AXIAL ECCENTRIC FATIGUE SOLICITATION	<i>Rosca Valcu, Geonea Ionut, Romanescu Alina</i>

<b>Thursday 29<sup>th</sup> of April 2010 16<sup>00</sup> – 18<sup>00</sup></b>		<i>University's House – PIRU Salon</i>
<b>Chair: Professor Nanu Gheorghe, University of Craiova</b>		
<b>Co-chair: Professor Vintila Daniela, University of Craiova</b>		
<b>Secretary: Assistant Racila Laurentiu, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	CONSIDERATIONS ON THE STABILITY OF THE SOLUTION FOR THE MATHEMATICAL MODEL OF TRANSVERSAL VIBRATIONS OF A LINEAR ELASTIC PLANE PLATE UNDERGOING A PLANE MOVEMENT	<i>Nanu Gheorghe, Nanu Andrei</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	CONSIDERATIONS ON THE MODELS WITH A SINGLE DEGREE OF FREEDOM IN THE ELASTODYNAMIC ANALYSIS OF PLANE MECHANISMS	<i>Nanu Gheorghe, Nanu Andrei</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	CONSTRUCTION AND KINEMATICS OF THE MAIN GEAR REDUCERS OF HELICOPTERS	<i>Tempea Iosif, Lazar Ionel, Adir George</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	SOME DYNAMIC SYNTHESIS AND STABILITY CRITERIONS OF THE SPATIAL KINEMATIC CHAINS WITH LINEAR-ELASTIC ELEMENTS	<i>Vintila Daniela, Grigore Laura</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	RANDOM VIBRATIONS OF THE KINEMATIC CHAINS WITH FLEXIBLE ELEMENTS	<i>Vintila Daniela, Nanu Gheorghe, Grigore Laura</i>
<b>17<sup>15</sup> – 17<sup>30</sup></b>	STUDY OF A MECHANISM WITH TWO CRANK GUIDE WAYS, WITH STOPS	<i>Sass Ludmila, Popescu Iulian, Mitsi Sevasti</i>
<b>17<sup>30</sup> – 17<sup>45</sup></b>	ABOUT MOVEMENT EQUATIONS OF THE ACTIVE ELEMENTS IN A ULTRASONIC SYSTEM USE IN MODERN FABRICATION	<i>Tica Bebe, Ciunel Stefan</i>
<b>17<sup>45</sup> – 18<sup>00</sup></b>	AUTOMATIC CONTROL OF THERMODYNAMIC PARAMETERS OF THE MICRO CHANNELS HEAT EXCHANGERS	<i>Stancut Adriana, Cernaianu Corina, Tutunea Dragos, Dima Alexandru</i>



# International Conference **ICOME 2010**

## Paper schedule

### Section: *Automotives and Tractors*

<b>Wednesday 28<sup>th</sup> of April 2010 16<sup>00</sup> – 17<sup>45</sup></b>		<i>University's House – PLOPSOR Salon</i>
<b>Chair: Professor Ciolan Gheorghe, Transilvania University of Brasov</b>		
<b>Co-chair: Professor Preda Ion, Transilvania University of Brasov</b>		
<b>Secretary: Assistant Tutunea Dragos, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	A SIMPLIFIED MODEL FOR THE STUDY OF THE VEHICLES STABILITY	<i>Simniceanu Loreta, Otat Victor, Bogdan Mihaela</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	ABOUT THE VIBRATIONS OF THE AMBIELAGE FROM A V-TYPE ENGINE	<i>Cataneanu Mihnea, Bagnaru Dan, Cataneanu Adina</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	ANALYSIS OF THE COMMAND SYSTEM FOR ADAPTIVE ADMISSION AT HEAT ENGINE	<i>Stan Marinica</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	AUTOMATIC GEARBOX OPTIMIZING PROCESS DEVELOPED IN AVL CRUISE	<i>Varga Bogdan, Burnete Nicolae, Rus Ioan, Kocsis Levente Botond</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	BIODIESEL USAGE -THEORETICAL RESEARCHES ON AN ENGINE EQUIPPED WITH COMMONRAIL INJECTION SYSTEM	<i>Nagi Mihai, Caia Ciprian, Moldoveanu Calin Mihai</i>
<b>17<sup>15</sup> – 17<sup>30</sup></b>	CASE OF STUDY FOR THE IMPLEMENTATION OF HYBRID ENGINES IN ROMANIA	<i>Dima Alexandru, Tutunea Dragos</i>
<b>17<sup>30</sup> – 17<sup>45</sup></b>	CFD STUDY OF SECTION CHARACTERISTICS OF RACE CAR WINGS	<i>Borza Emilian, Baldean Doru, Moldovanu Dan, Kocsis Levente Botond</i>
<b>Wednesday 28<sup>th</sup> of April 2010 18<sup>15</sup> – 19<sup>30</sup></b>		<i>University's House – PLOPSOR Salon</i>
<b>Chair: Professor Burnete Nicolae, Technical University of Cluj Napoca</b>		
<b>Co-chair: Professor Nicolae Viorel, University of Pitesti.</b>		
<b>Secretary: Assistant Buculei Mihaela, University of Craiova</b>		
<b>18<sup>15</sup> – 18<sup>30</sup></b>	CONTRIBUTIONS TO THE STUDY OF THE GEOMETRIC AND HYDRODYNAMIC CHARACTERISTICS OF AN INJECTION PLANT USED TO HIGH POWER ENGINES	<i>Radulescu Mircea, Caramavru Stefan, Caramavru Nicolae</i>
<b>18<sup>30</sup> – 18<sup>45</sup></b>	DESIGNING AND VERIFYING IN R.D.M. OF A TEST BENCH FOR STUDYING THE S.I.E. CHARACTERISTICS WITH HYDRAULIC DYNAMOMETER	<i>Baldean Doru, Crisan Mihai, Borza Emilian</i>
<b>18<sup>45</sup> – 19<sup>00</sup></b>	DETERMINATION OF DRIVE PERFORMANCE FOR TRACTORS EQUIPPED WITH SUPPLEMENTARY HYDROSTATIC TRANSMISSIONS	<i>Popa Gheorghe, Buculei Mihaela, Ungureanu Alin, Sutru Nastase</i>
<b>19<sup>00</sup> – 19<sup>15</sup></b>	DEVELOPED SOLUTIONS FOR OPTIMISING THE RISING OF THE ADMISION VALVE IN AUTOMOBILE ENGINES	<i>Pana Gabriela, Marcu Carmen</i>
<b>19<sup>15</sup> – 19<sup>30</sup></b>	EXPERIMENTAL RESEARCHES UPON TUBE IN TUBE HEAT EXCHANGERS PERFORMANCES TYPE	<i>Nagi Mihai, Stanciu Tiberiu, Carabas Ioan Daniel, Laza Ioan</i>



<b>Thursday 29<sup>th</sup> of April 2010 10<sup>00</sup> – 11<sup>30</sup></b>		<i>University's House – PLOPSOR Salon</i>
<b>Chair: Professor Chiru Anghel, Transilvania University of Brasov</b> <b>Co-chair: Professor Nagi Mihai, Politehnica University of Timisoara</b> <b>Secretary: Assistant Buculei Mihaela, University of Craiova</b>		
<i>10<sup>00</sup> – 10<sup>15</sup></i>	EXTERNAL ENERGY CONDITIONING AND THE INFLUENCES ON BIOFUELS PHYSICALLY PARAMETERS	<i>Mariasiu Florin, Burnete Nicolae</i>
<i>10<sup>15</sup> – 10<sup>30</sup></i>	FINITE ELEMENT MODEL UPDATING OF AN ENGINE IN THE AUTOMOTIVE INDUSTRY	<i>Anton Gabriel Petru, Paval Mihai, Sorel Fabian</i>
<i>10<sup>30</sup> – 10<sup>45</sup></i>	INFLUENCE OF THE ADDITIONAL LOADS ON THE DISTRIBUTION OF THE VERTICAL FORCES AT THE VEHICLE WHEELS	<i>Bolcu Dumitru, Bogdan Mihaela, Simniceanu Loreta, Otat Victor</i>
<i>10<sup>45</sup> – 11<sup>00</sup></i>	INNOVATIVE ELEMENTS FOR AUTO VEHICLE STEERING SYSTEMS	<i>Marinescu Gabriel Catalin, Otat Oana Victoria</i>
<i>11<sup>00</sup> – 11<sup>15</sup></i>	INTRODUCTION TO SIMULATIONX SOFTWARE	<i>Moldovanu Dan, Baldean Doru, Kocsis Levente Botond</i>
<i>11<sup>15</sup> – 11<sup>30</sup></i>	ISSUES CONCERNING THE STUDY OF PRESENT ENGINE'S INTAKE MANIFOLDS	<i>Iorga Danila, Tokar Adriana, Hiticas Ioan, Hentiu Radu, Svoboda Walter</i>
<b>Thursday 29<sup>th</sup> of April 2010 16<sup>00</sup> – 18<sup>00</sup></b>		<i>University's House – PLOPSOR Salon</i>
<b>Chair: Professor Tabacu Ion, University of Pitesti</b> <b>Co-chair: Professor Popescu Simion, Transilvania University of Brasov</b> <b>Co-chair: Professor Neagoie Dumitru, University of Craiova</b> <b>Secretary: Assistant Cataneanu Mihnea, University of Craiova</b>		
<i>16<sup>00</sup> – 16<sup>15</sup></i>	OPTIMIZATION STUDY OF A CAR SUSPENSION-STEERING LINKAGE	<i>Preda Ion, Ciolan Gheorghe, Ispas Nicolae</i>
<i>16<sup>15</sup> – 16<sup>30</sup></i>	OTTO ENGINE DYNAMICS	<i>Petrescu Florian, Petrescu Relly, Greco Barbu</i>
<i>16<sup>30</sup> – 16<sup>45</sup></i>	STUDY ON STRATEGY FOR REMOVING ALL THE UNWANTED REQUENCIES PROVIDED BY KNOCK SENSOR COEFFICIENT	<i>Brabete Marian, Gherghina George</i>
<i>16<sup>45</sup> – 17<sup>00</sup></i>	THE CURRENT RESEARCH STUDY IN THE FIELD OF HEAT EXCHANGERS WITH BAYONET TUBE	<i>Stanciu Tiberiu, Motantau Sarbu Tiberiu</i>
<i>17<sup>00</sup> – 17<sup>15</sup></i>	THE INFLUENCE OF RADIATORS WIDTH OVER THERMAL AND FLUID-DYNAMICS PERFORMANCES	<i>Nagi Mihai, Ilies Paul, Carabas Ioan Daniel</i>
<i>17<sup>15</sup> – 17<sup>30</sup></i>	THE PARAMETRIC VIBRATIONS OF THE DRIVING HYDRAULIC MOTORS FOR HEAVY MOTOR VEHICLES	<i>Marinescu Gabriel Catalin, Otat Victor, Otat Oana Victoria</i>
<i>17<sup>30</sup> – 17<sup>40</sup></i>	THE PARTICULARITIES OF THE TRACTIVE CHARACTERISTIC FOR THE TRACTORS EQUIPED WITH HYDROSTATIC TRANSMISSIONS	<i>Popa Gheorghe, Ungureanu Alin, Buculei Mihaela</i>
<i>17<sup>40</sup> – 17<sup>50</sup></i>	THE ROLE OF MECHATRONICS IN THE EDUCATION OF AUTOMOTIVE ENGINEER	<i>Gherghina George, Tutunea Dragos, Popa Dragos, Gluga Cristian, Anusca Marcela</i>
<i>17<sup>50</sup> – 18<sup>00</sup></i>	VARIOUS ASPECTS REGARDING THE DESIGN OF A GEAR SHIFT SENSOR FOR ROAD VEHICLES	<i>Dumitru Ilie, Popescu Simion, Vinatoru Matei, Popescu Traian, Cataneanu Mihnea</i>

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### Section: Transportation and Traffic

<b>Wednesday 28<sup>th</sup> of April 2010 16<sup>00</sup> – 17<sup>45</sup></b> <i>University's House – IORGA Salon</i>		
<b>Chair: Professor Ispas Nicolae, Transilvania University of Brasov</b> <b>Co-chair: Professor Campian Ovidiu, Transilvania University of Brasov</b> <b>Co-chair: Professor Boroiu Alexandru, University of Pitesti</b> <b>Secretary: Assistant Trotea Mario, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	ASPECTS CONCERNING THE SEVERITY OF FRONT REAR COLLISIONS	<i>Gaiginschi Radu, Sachelarie Adrian, Pintilei Mihai</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	RESEARCHES ON COLD STARTING OF BIODIESEL DIESEL ENGINES	<i>Tutunea Dragos, Cernaianu Corina, Stancut Adriana, Dima Alexandru</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	SOME ASPECTS RELATIVE ON VEHICLE-PEDESTRIAN IMPACTS	<i>Soica Adrian, Ispas Nicolae, Nastasoiu Mircea, Dogariu Mihai</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	COMMUNICATION SYSTEMS IN TRANSPORTATION CAR TO CAR COMMUNICATION SYSTEM - INTRODUCTIVE STUDY	<i>Otat Oana Victoria, Marinescu Gabriel Catalin</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	COMPARATIVE ANALYZE OF BRAKING DISTANCES ON SNOW COVERED ROADS FOR TWO VEHICLES: DACIA LOGAN AND SEAT LEON	<i>Marc Andreea Cristina, Baldean Doru, Moldovanu Dan</i>
<b>17<sup>15</sup> – 17<sup>30</sup></b>	CONTRIBUTIONS TO THE VIBRATION ANALYSIS OF THIN CURVE BOARDS FROM THE CAR BODY STRUCTURE	<i>Otat Victor, Otat Oana Victoria, Marinescu Gabriel Catalin</i>
<b>17<sup>30</sup> – 17<sup>45</sup></b>	EXPERIMENTAL RESEARCHES CONCERNING POLLUTING EMISSIONS FROM MOTOR VEHICLES, TRAFFIC CONDITIONS, WITH AND WITHOUT AIR CONDITIONING FUNCTION	<i>Iorga Danila, Tokar Adriana, Hiticas Ion, Hentiu Radu, Svoboda Walter</i>
<b>Wednesday 28<sup>th</sup> of April 2010 18<sup>15</sup> – 19<sup>30</sup></b> <i>University's House – IORGA Salon</i>		
<b>Chair: Professor Iorga Danila, Politehnica University of Timisoara</b> <b>Co-chair: Professor Nastasoiu Mircea, Transilvania University of Brasov</b> <b>Co-chair: Professor Otat Victor, University of Craiova</b> <b>Secretary: Assistant Obogeanu Firu Claudiu, University of Craiova</b>		
<b>18<sup>15</sup> – 18<sup>30</sup></b>	DIESEL FUEL, LPG AND BIODIESEL MIXTURES COMBUSTION IN D.I. DIESEL ENGINES	<i>Ispas Nicolae, Cofaru Corneliu, Nastasoiu Mircea, Dogariu Mihai</i>
<b>18<sup>30</sup> – 18<sup>45</sup></b>	EVALUATION METHODS FOR THE BIOMECHANICAL QUALITY OF RESTRAIN SYSTEMS DURING FRONTAL IMPACT	<i>Ciunel Stefan, Tica Bebe, Campian Ovidiu Vasile</i>
<b>18<sup>45</sup> – 19<sup>00</sup></b>	DEVELOPMENT OF A DRIVING CYCLE FOR BRASOV CITY	<i>Covaciu Dinu, Preda Ion, Florea Daniela, Campian Ovidiu Vasile</i>
<b>19<sup>00</sup> – 19<sup>15</sup></b>	GPS SOLUTIONS FOR THE GPS NETWORK AJUSTEMENT COORDINATE SYSTEMS	<i>Babuca Nicolae Ion, Marin Mihnea</i>
<b>19<sup>15</sup> – 19<sup>30</sup></b>	OPTIMIZATION SOLUTIONS FOR THE TRANSPORT OF PERSONS IN DOLJ COUNTY	<i>Neagoie Dumitru, Constantinescu Augustin, Trotea Mario, Dumitru Ilie, Buculei Mihaela</i>

<b>Thursday 29<sup>th</sup> of April 2010 10<sup>00</sup> – 11<sup>30</sup></b> <span style="float: right;"><i>University's House – IORGA Salon</i></span>		
<b>Chair: Professor Gaiginschi Radu, Technical University "Gheorghe Asachi" from Iasi</b> <b>Co-chair: Professor Sachelarie Adrian, Technical University "Gheorghe Asachi" from Iasi</b> <b>Secretary: Assistant Cataneanu Mihnea, University of Craiova</b>		
<i>10<sup>00</sup> – 10<sup>15</sup></i>	BIODIESEL STANDARD CHARACTERISTICS THAT AFFECT THE ENGINE FUNCTIONING	<i>Buculei Mihaela, Picioarea Daniel</i>
<i>10<sup>15</sup> – 10<sup>30</sup></i>	BITUMINOUS ROAD METALS BUILT OF HOT-WORKED CYLINDERED ASPHALT MIXTURES. MECHANICAL-PHYSICAL CHARACTERISTICS, IDENTIFIED IN THE LABORATORY	<i>Burada Cristian</i>
<i>10<sup>30</sup> – 10<sup>45</sup></i>	STUDY OF CURRENT PROGRAM OF PUBLIC PASSENGER TRANSPORT IN DOLJ COUNTY	<i>Neagoie Dumitru, Constantinescu Augustin, Simniceanu Loreta, Trotea Mario, Radulescu Mircea</i>
<i>10<sup>45</sup> – 11<sup>00</sup></i>	THE STUDY OF THE CAR' S STABILITY USING A SIMPLIFIED MODEL	<i>Simniceanu Loreta, Neagoie Dumitru, Stanescu Gelica, Trotea Mario</i>

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### Section: *Management and Production Systems*

<b>Wednesday 28<sup>th</sup> of April 2010 16<sup>00</sup> – 17<sup>45</sup></b> <i>University's House – HILLARY Salon</i>		
<b>Chair: Professor Militaru Constantin, Politehnica University Bucharest</b>		
<b>Co-chair: Senior lecturer Cherciu Mirela, University of Craiova</b>		
<b>Secretary: Assistant Dumitru Violeta, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	PROCESS SIMULATION USING DELMIA	<i>Răcășan Radu, Györke Gyöngyi Timea, Ghinea Rareș, Popișter Florin</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	OPTIMIZATION OF CUTTING CONDITION ON A VERTICAL MILLING MACHINE USING VIBROMECHANICAL ANALYSIS	<i>Stroia Mihaela – Dorica, Risnita Remus</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	PROGRAMING A 3 AXIS MACHINING CENTRE WITH TOPSOLID - PART I - MODELLING OF PIECES	<i>Stanimir Alexandru, Panduru Dumitru, Vaduva Catalin, Talau Liviu, Stanimir Marius</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	PROGRAMING A 3 AXIS MACHINING CENTRE WITH TOPSOLID - PART II - G-CODE PROGRAMME CREATION	<i>Stanimir Alexandru, Panduru Dumitru, Masu Bogdan, Rusu Florin, Popa Cezar</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	ASSESSMENT OF PLASTIC DEFORMATION IN THE CUTTING ZONE AND CORRELATION WITH ROUGHNESS, AT INNER CYLINDRICAL TURNING WITH SMALL CUTTING	<i>Pascu Ileana, Popescu Iulian, Posnaies Adrian</i>
<b>Wednesday 28<sup>th</sup> of April 2010 18<sup>15</sup> – 19<sup>30</sup></b> <i>University's House – HILLARY Salon</i>		
<b>Chair: Professor Dumitru Constantin, University of Craiova</b>		
<b>Co-chair: Senior lecturer Popescu Daniel, University of Craiova</b>		
<b>Secretary: Assistant Dumitru Violeta, University of Craiova</b>		
<b>18<sup>15</sup> – 18<sup>30</sup></b>	CHIPS FORMS AND THEIR IMPORTANCE ON PLAIN TURNING WITH SMALL CUTTING FEEDS	<i>Popescu Iulian, Pascu Ileana</i>
<b>18<sup>30</sup> – 18<sup>45</sup></b>	ASPECTS ON APPLYING OF QUALITY FUNCTION DEPLOYMENT METHOD TO PRODUCTS DESIGN AND ITS RELATIONSHIPS WITH OTHER VARIOUS DESIGN TOOLS AND METHODS	<i>Militaru Constantin, Cernat Marieana</i>
<b>18<sup>45</sup> – 19<sup>00</sup></b>	ASPECTS ON THE RISK REDUCTION AT MACHINERY IN THE DESIGN STAGE	<i>Militaru Constantin, Cernat Marieana</i>
<b>19<sup>00</sup> – 19<sup>15</sup></b>	MATHEMATICAL MODEL FOR ANALYSIS OF SURFACE GENERATION AT GRINDING	<i>Popescu Daniel, Cherciu Mirela</i>
<b>19<sup>15</sup> – 19<sup>30</sup></b>	NEW APPROACHES IN TOLERANCE ANALYSIS AND ALLOCATION	<i>Cherciu Mirela, Ulmeanu Florian Minel, Popescu Daniel</i>

<b>Thursday 29<sup>th</sup> of April 2010 10<sup>00</sup> – 11<sup>30</sup></b>		<i>University's House – HILLARY Salon</i>
<b>Chair: Professor Cernaianu Adrian, University of Craiova</b>		
<b>Co-chair: Lecturer Buzatu Stefan, University of Craiova</b>		
<b>Secretary: Assistant Nanu Andrei, University of Craiova</b>		
<b>10<sup>00</sup> – 10<sup>15</sup></b>	THE EFFICIENCY OF TRAINING PROGRAMS IN THE PRODUCTION AREA	<i>Militaru Constantin, Opreescu Claudia</i>
<b>10<sup>15</sup> – 10<sup>30</sup></b>	THE IMPORTANCE OF PERFORMANCE EVALUATION SYSTEM FOR BLUE COLLAR WORKERS	<i>Militaru Constantin, Opreescu Claudia</i>
<b>10<sup>30</sup> – 10<sup>45</sup></b>	APPLYING THE HEURISTIC STEP METHOD IN THE INNOVATIVE PRODUCTION MANAGEMENT	<i>Buzatu Stefan, Radulescu Mircea</i>
<b>10<sup>45</sup> – 11<sup>00</sup></b>	ECO-EFFICIENCY CONSIDERATIONS ON THE END-OF-LIFE OF CONSUMER ELECTRONIC GLASS DOMINATED PRODUCTS	<i>Ivanus Radu, Babaita Ilie</i>
<b>11<sup>00</sup> – 11<sup>15</sup></b>	RESEARCH REGARDING THE ROUGHNESS OF THE SURFACES TITANIUM ALLOYS TURNING	<i>Zamfirache Marius, Lazar Luminita</i>
<b>11<sup>15</sup> – 11<sup>30</sup></b>	STUDIES CONCERNING THE ROUGHNESS OF THE SURFACES IN THE CASE OF STAINLES STEEL MILING	<i>Zamfirache Marius, Stanimir Alexandru</i>
<b>Thursday 29<sup>th</sup> of April 2010 16<sup>00</sup> – 18<sup>00</sup></b>		<i>University's House – HILLARY Salon</i>
<b>Chair: Professor Stanimir Alexandru, University of Craiova</b>		
<b>Co-chair: Professor Zamfirache Marius, University of Craiova</b>		
<b>Secretary: Assistant Nanu Andrei, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	DETERMINATION OF PROCESSING FORCES ON CENTERLESS GRINDING MACHINES WITH TRANSVERSAL ADVANCE IN FAVOR OF ACTIVE CONTROL AND ADAPTIVE CONTROL	<i>Cernaianu Adrian</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	KINETIC ENERGY VARIATION IN PROCESSING OF PARTS BY CENTERLESS GRINDING WITH CROSS FEED	<i>Cernaianu Adrian</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	A MODEL OF NEW OR IMPROVED PRODUCT ANALYSIS	<i>Dumitru Constantin, Dumitru Violeta</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	SOME CONSIDERATIONS ON DETAIL DESIGN OF INDUSTRIAL PRODUCTS	<i>Dumitru Constantin, Dumitru Violeta</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	FLEXIBLE MANUFACTURING APPROACH OF A PART IN AN INTEGRATED MANUFACTURING ENVIRONMENT	<i>Malciu Tiberiu, Malciu Raluca, Calbureanu Madalina, Lungu Mihai, Sepcu Lucian</i>



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### *Section: Materials and Fabrication Systems*

<b>Wednesday 28<sup>th</sup> of April 2010 16<sup>00</sup> – 17<sup>45</sup></b>		<i>University's House – PIRU Salon</i>
<b>Chair: Professor Gheorghe Stefan, University of Craiova</b>		
<b>Co-chair: Senior lecturer Teisanu Cristina, University of Craiova</b>		
<b>Secretary: Assistant Grigorie Laura, University of Craiova</b>		
<b>16<sup>00</sup> – 16<sup>15</sup></b>	CURRENT SITUATION IN THE FIELD OF ELECTRICITY PRODUCTION TECHNOLOGIES – CLEAN TECHNOLOGIES	<i>Stoian Andrei, Enache Marian</i>
<b>16<sup>15</sup> – 16<sup>30</sup></b>	SO2 EMISSION ABATEMENT METHODS	<i>Stoian Andrei, Enache Marian</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	STUDY REGARDING THE COSTS RELATED WITH THE CONSTRUCTION OF A BIOGAS PLANT FROM USING ANIMAL RESIDUES	<i>Laza Ioan, Cioabla Adrian Eugen</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	CAPTURE, TRANSPORT AND GEOLOGICAL STORAGE CARBON	<i>Tudor Viorel</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	THE MOVEMENT OF AN ELECTRON AROUND THE ATOMIC NUCLEUS	<i>Petrescu Florian Ion</i>
<b>17<sup>15</sup> – 17<sup>30</sup></b>	INFLUENCE OF TECHNOLOGICAL PARAMETERS ON THE FINAL PROPERTIES OF COMPOSITE BASED ON TUNGSTEN POWDER AFTER HYDROGEN SINTERING	<i>Pascu Ileana, Teisanu Cristina</i>
<b>17<sup>30</sup> – 17<sup>45</sup></b>	EXPERIMENTAL RESEARCH REGARDING THE AUSTENITIC STAINLESS STEELS WITH CRYOGENIC RESISTANCE	<i>Tarata Daniela</i>
<b>Wednesday 28<sup>th</sup> of April 2010 18<sup>15</sup> – 19<sup>30</sup></b>		<i>University's House – PIRU Salon</i>
<b>Chair: Professor Tarata Daniela, University of Craiova</b>		
<b>Co-chair: Senior lecturer Ivanus Radu, University of Craiova</b>		
<b>Secretary: Assistant Grigorie Laura, University of Craiova</b>		
<b>18<sup>15</sup> – 18<sup>30</sup></b>	CHEMICAL COMPOSITION INFLUENCE ON THE MECHANICAL AND PHYSICAL CHARACTERISTICS OF THE PM IRON BASED ALLOYS	<i>Teisanu Cristina, Gheorghe Stefan, Pascu Ileana</i>
<b>18<sup>30</sup> – 18<sup>45</sup></b>	ADDITION ELEMENTS INFLUENCE ON THE MECHANICAL PROPERTIES OF THE PM COPPER BASED ALLOYS	<i>Gheorghe Stefan, Teisanu Cristina</i>
<b>18<sup>45</sup> – 19<sup>00</sup></b>	MICROBIAL RECOVERY OF COPPER FROM ELECTRONIC SCRAP BY MIXED CULTURE OF MESOPHILIC BACTERIA	<i>Ivanus Radu, Olaru Luminita</i>
<b>19<sup>00</sup> – 19<sup>15</sup></b>	SOME CONSIDERATIONS ON MECHANICAL PROPERTIES FOR COMPOSITES MATERIALS	<i>Stanescu Gelica, Duta Alina, Mogosanu Anca Mihaela, Mateescu Monica, Sass Ludmila</i>
<b>19<sup>15</sup> – 19<sup>30</sup></b>	MANUFACTURING TECHNOLOGIES USED IN CONSTRUCTIONS IN ANCIENT TIMES	<i>Predoi Georgiana, Mogosanu Anca Mihaela, Duta Alina</i>

