

“Lucian Blaga” University of Sibiu - Romania
Faculty of Engineering
Manufacturing Science Department
Teachers Training Department
with
University of Kaiserslautern - Germany
AGH University of Science and Technology Krakow – Poland
and the support of
Romanian National Agency for Scientific Research (ANCS)
The Manufacturing Engineering University Association (AUIF)

CONFERENCE PROGRAM

**OF THE 5th INTERNATIONAL CONFERENCE
ON MANUFACTURING SCIENCE AND EDUCATION**

- MSE 2011 -

CREATIVE THINKING IN ENGINEERING AND ACADEMIC EDUCATION

Dedicated to the 35th Anniversary of Engineering Faculty

2nd - 5th of June, 2011
Sibiu, Romania

Agenda

INTERNATIONAL PROGRAM COMMITTEE

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BONDREA I, ROM
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DRĂGHICI G., ROM
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ISPAS C., ROM
KIFOR C., ROM
KOWAL J., POL
LATA I., ROM
LIS J., POL
LUPULESCU N., ROM

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MARIAN L., ROM
MASALAR L., BEL
MINCIU C., ROM
MOHORA C., ROM
MUNTEAN A., ROM
MUSCA G., ROM
NANU D., ROM
NAGIT GH., ROM
NAGY S., POL
NAVALUSIC S., SER
NEDELCU D., ROM
NISTOR I ROM
OANCEA N., ROM
PELE A., ROM
PETRESCU V., ROM
POPESCU I., ROM
PURCAREA A., ROM
PUSCA D., CAN
RAICU S., ROM
ROSCA L., ROM
SARAN C., USA
SCANLON P., IRE
SIMION C., ROM
SINDILĂ GH., ROM
SLĂTINEANU L., ROM
SCHNAKOVSKY C., ROM
STRAJESCU E., ROM
STEFANESCU P.D., ROM
TELLERI F., ITA
TICHKIEWITCH., FRA
TUȚUREA M., ROM
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VELISEK K., SK
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DUȘE C.
ȚÎȚU M.

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Coordinator: BEJU L.D.
BORZA S.
BĂDESCU M.
CIOCA M.
COFARU N.
SIMION C.

INȚĂ M.
MARA D.
PETRUSE R.
POPESCU L.
PURCAR C.
ROTARU I.

Agenda

Start	End			
Wednesday, June 01st, 2011				
15:00	19:00	Welcome Reception and Early Registration (Faculty of Engineering)		
19:00	20:00	Reception Cocktail (Faculty of Engineering)		
Thursday, June 02nd, 2011				
9:00	10:30	MSE 2011 Conference Opening Ceremony Dedicated to the 35th Anniversary of Engineering Faculty (Aula Magna)		
10:30	10:50	Break		
10:50	12:30	Plenary Session (Aula Magna)		
12:30	14:00	Lunch (University's Restaurant)		
Parallel Session: Paper Presentations				
14:00	16:00	Academic Education Session A1 (Room Banatului 12)	Academic Management Session B1 (Room IM 407)	Design, Manufacturing and Management of Technological Equipment and Systems Session D1 (Room IM 201)
		Management and Economical Engineering Session G1 (Room IM 301)	Management, Modelling and Monitoring of Manufacturing Processes Session H1 (Room IM 323)	Safety and Health at Work Session L1 (Room Banatului 11)
		Research Activity in Technical Universities Session K1 (Room IM 401)	Transport Engineering, Traffic Management Session M (Room IM 202)	Virtual Manufacturing, Digital Factory Session N1 (Room IM 222)
16:00	16:30	Break		
Parallel Session: Paper Presentations				
16:30	18:30	Academic Education Session A2 (Room Banatului 12)	Quality Management Session J (Room IM 407)	Design, Manufacturing and Management of Technological Equipment and Systems Session D2 (Room IM 201)
		Management and Economical Engineering Session G2 (Room IM 301)	Management, Modelling and Monitoring of Manufacturing Processes Session H2 (Room IM 323)	Safety and Health at Work Session L2 (Room Banatului 11)
		Research Activity in Technical Universities Session K2 (Room IM 401)	Engineering in Oil and Gas and Mines Session F1 (Room IM 202)	Virtual Manufacturing, Digital Factory Session N2 (Room IM 222)
20:00		Banquet (“Impăratul Romanilor” Restaurant)		

Agenda

Start	End				
Friday, June 03rd, 2011					
08:00	10:00	Parallel Session: Paper Presentations			
		Biomedical Engineering Session C <i>(Room IM 202)</i>	Design, Manufacturing and Management of Technological Equipment and Systems Session D3 <i>(Room IM 201)</i>	E-Learning, E-Design, E-Research Session E1 <i>(Room IM 222)</i>	
		Management and Economical Engineering Session G1 <i>(Room IM 301)</i>	Management, Modelling and Monitoring of Manufacturing Processes Session H3 <i>(Room IM 323)</i>	Research Activity in Technical Universities Session K3 <i>(Room IM 401)</i>	Safety and Health at Work Session L <i>(Room Banatului 11)</i>
		Parallel Workshop Sessions			
08:30	10:00	Research-Entrepreneur <i>Anca Drăghici</i> <i>(Room Banatului 12)</i>			
10:00	10:30	Coffe Break			
10:30	12:00	Parallel Workshop Sessions			
		Intellectual Property reflected in the Education Law, no. 1/2011 <i>Mihail Țițu</i> <i>(Room IM 407)</i>	Product Lifecycle Management <i>Livia Dana Beju</i> <i>Paul Dan Brîndașu</i> <i>(Room Banatului 11)</i>	Comunication Through Symbols <i>Dorothy Frazer</i> <i>Daniel Mara</i> <i>(Room Banatului 12)</i>	
		Parallel Session: Paper Presentations			
12:00	14:00	Academic Management Session B2 <i>(Room IM 407)</i>	Design, Manufacturing and Management of Technological Equipment and Systems Session D4 <i>(Room IM 201)</i>	E-Learning, E-Design, E-Research Session E2 <i>(Room IM 222)</i>	Engineering in Oil and Gas and Mines Session F2 <i>(Room IM 202)</i>
14:00	16:00	Lunch <i>(University Restaurant)</i>			
17:00		Theater Representation			
18:30		Closing Ceremony			
19:00		Meet Colleagues at Apfel Haus Restaurant			

Start	End	
Saturday, June 04th, 2011		
09:00		Visiting the Museum of History Theater Representation

Wednesday, June 01st, 2011**15.00 - 19.00****Participants' registration****Faculty of Engineering****19.00****Welcoming cocktail****Faculty of Engineering Hall****Thursday, June 02nd, 2011****9.00 - 10.30****Opening Ceremony****„Aula Magna” of ULBS****Constantin Oprean****Rector ULBS****Dan Maniu Duse****Vicerector ULBS, Chairman of the Conference****Ioan Bondrea****Dean, Faculty of Engineering from ULBS****Invite word****Guests and Deans from Universities of Romania****10.30 - 10.50****Coffee Break****10.50 - 12.30****Plenary Session****„Aula Magna” of ULBS**

10:50 11:30 Detlef Zuehlke, Prof.Ph.D., University of Kaiserslautern, Scientific Director of the German Research Center for Artificial Intelligence and Innovative Factory Systems

THE FACTORY-OF-THINGS - TOWARDS SMART PRODUCTION SYSTEMS

11:30 12:00 Petre Berce, Prof.Ph.D., Technical University of Cluj-Napoca
Horia Giugiuman, Prof.Ph.D., Technical University of Zurich, Switzerland

CREATIVITY AND TECHNOLOGY, INNOVATION MANAGEMENT, SPECIFIC ASPECTS OF THE TECHNICAL UNIVERSITY

Dragoş Mihael Ciuparu, Prof.Ph.D.ANCS President

INVITED SPEECH

12:00 12:30 Camelia Marinescu, Ph.D., ANCS

RESEARCH ASPECTS IN ROMANIA AND THE IMPLICATION OF ANCS ON THIS TOPIC

Parallel Session: Paper Presentations

Thursday, June 02nd 2011

14.00 – 16.00

Session A1

Room Banatului 12

ACADEMIC EDUCATION

Chairmen:

Carmen Dușe

Daniel Mara

Carmen Chișiu

1. *CAN SELF-EVALUATION IMPROVING THE QUALITY OF SCHOOL EDUCATION?*
Bălan Sorina-Mihaela
2. *RETHINKING EVALUATION OF TEACHING CRITICAL THINKING PERSPECTIVE DETERMINANTS*
Chișiu Carmen Maria, Andron Daniela and Andrei Olivia
3. *HOW YOUNG PEOPLE UNDERSTAND TAX BURDEN, FISCAL ADJUSTMENT AND TAXES AS FINANCIAL LEVERAGES?*
Comănicu Carmen and Bunescu Liliana
4. *UNDERGRADUATE STUDENTS' PERCEPTIONS ON GROUP WORK PROJECT*
Crețu Daniela
5. *ACADEMIC FRAUD AND CORRUPTION: CONCEPTS AND RESEARCH REVIEW*
Sabău Elena Monica and Sgardea Florinel Marian
6. *USING ALTERNATIVE AND COMPLEMENTARY EVALUATION METHODS IN TRAINING FOR THE TEACHING PROFESSION*
Dușe Carmen Sonia
7. *EFFICIENT DIDACTIC TOOLS USED IN TEACHING TECHNOLOGICAL SUBJECTS*
Pleșca (Băițoiu) Corina Mihaela, Brîndașu Paul Dan and Beju Livia Dana
8. *FOCUS ON THE STUDENT: CRITICAL THINKING SEMINARS AT THE TEACHERS TRAINING DEPARTMENT*
Mag Alina Georgeta
9. *MULTIMEDIA TECHNOLOGIES USED FOR TRAINEE'S KNOWLEDGE ASSESSMENT*
Dobre Iuliana
10. *CORE COMPETENCIES IN A CHANGING EDUCATIONAL ENVIRONMENT ESSENTIAL IN THE ACT OF TEACHING TECHNICAL AND TECHNOLOGICAL SUBJECTS*
Nituca Costica and Stanciu Tudor

Thursday, June 02nd 2011

14.00 - 16.00

Session B1

Room IM 407

ACADEMIC MANAGEMENT**Chairmen:****Claudiu Kifor****Carmen Simion**

1. *EVALUATION OF THE DEGREE OF INTEREST, OF THE UTILITY AND ACCEPTABILITY OF THE HUMAN RESOURCE REGARDING THE PARTICIPATION IN PROGRAMS OF STUDY IN HIGHER EDUCATION*
Blaj Marilena and Bucur Amelia
2. *THE IMPLEMENTATION OF INFORMATION SYSTEM IN HIGHER EDUCATION BASED ON MANAGERIAL PRINCIPLES*
Rohan Rodica, Sindilă Gheorghe and Sindilă Gabriela
3. *APPROACH TO INNOVATION AND SUSTAINABLE DEVELOPMENT IN HIGHER EDUCATION*
Deneş Călin and Grecu Valentin
4. *RESEACH ENTREPRENERUSHIP DEVELOPEMENT – A POSSIBLE SOLUTION AT THE EUROPEAN LEVEL*
Drăghici Anca, Draghici George, Riel Andreas and Tichkiewitch Serge
5. *RESEARCHES FOR KNOWLDGE MANAGEMENT CHARACTERIZATION IN ENGINEERING EDUCATION*
Drăghici Anca, Foldvary-Schramko Hanna-Kinga and Draghici George
6. *STUDY ON SUSTAINABLE DEVELOPMENT OF ROMANIAN UNIVERSITIES*
Grecu Valentin and Deneş Călin
7. *QUALITY MANAGEMENT MODEL (QMM) IN ACADEMIC RESEARCH*
Kifor Claudiu Vasile, Oprean Constantin, Crîngaşu Magdalena, Velter Victor and Lobonţ Lucian
8. *QMS - A QUALITY MANAGEMENT SOFTWARE FOR UNIVERSITIES*
Mitea Adi-Cristina, Butean Vasile-Alexandru and Simion Carmen
9. *THE INTEGRATION OF THE ROMANIAN-GERMAN UNIVERSITY GRADUATES ON THE LABOUR MARKET*
Ranf Diana Elena, Toderită Elida Tomita and Dumitraşcu Dănuţ Dumitru

Thursday, June 02nd 2011

14.00 - 16.00

Session D1

Room IM 201

**DESIGN, MANUFACTURING AND MANAGEMENT OF
TECHNOLOGICAL EQUIPMENT AND SYSTEMS**

Chairmen:

Livia Dana Beju

Peter Kostal

Daniel Ghiculescu

1. *IDENTIFY FUNCTIONS, FAILURE MODES, CAUSES AND EFFECTS USING THE TRIZ FUNCTIONAL MODELING*
Banciu Felicia, Drăghici George, Pămîntaş Eugen and Grozav Ion
2. *WORKING MODE OPTIMIZATION IN THE SPECIFIC DESIGN PROGRAMS*
Bârsan Horea-Ioan and Brîndaşu Paul Dan
3. *THE DINAMIC BEHAVIOUR OF THE ELECTRO-HYDRAULIC SERVOSYSTEMS FOR INDUSTRIAL ROBOTS*
Bârsan Ioan and Popp Ilie Octavian
4. *STUDY OF HELICAL DRILLS INSERT CLAMPING*
Beju Livia Dana, Brîndaşu Paul Dan and Oniţă Gabriel Vasile
5. *THE CALCULUS RELATION OF THE CUTTING TOOL WEAR AT DRILLING OF THE STEEL X2CRNIMO18-14-3*
Vlase Bogdan, Vlase Aurelian and Blăjină Ovidiu
6. *DECOUPLING THE MOVEMENT OF A ROBOTOMECHANISM GUIDANCE. STRUCTURAL ANALYSIS AND KINEMATICS*
Bercan Nicolae, Manolea Daniel and Bercan Radu
7. *STUDY ON FIXING THE INSERTS AT BORING HEADS*
Brîndaşu Paul Dan, Marin Rareş Lucian and Beju Livia Dana
8. *TOOL SIZE OPTIMIZATION FOR COMPLEX SURFACE MILLING*
Drăgoi Mircea-Viorel and Deáky Bogdan-Alexandru
9. *ULTRASONIC AIDING OF WIRE ELECTRODISCHARGE MACHINING*
Ghiculescu Daniel, Marinescu Niculae, Nanu Sergiu and Ghiculescu Daniela
10. *THE QUALITY MANAGEMENT INSTRUMENTS SUPPORT OF CHANGE MANAGEMENT IN ORGANIZATIONS*
Ghiculescu Daniel, Marinescu Niculae, Țîțu Mihail and Ghiculescu Daniela

Thursday, June 02nd 2011

14.00 - 16.00

Session G1

Room IM 301

MANAGEMENT AND ECONOMICAL ENGINEERING

Chairmen:

Anca Drăghici

Cristina Mohora

Dănuț Dumitrașcu

1. *HOW CAN INTERNAL CONTROL TO INCREASE THE ENTERPRISE PERFORMANCE?*
Sgardea Florinel Marian and Sabau Elena Monica
2. *MARKET DEMAND AS A STARTING POINT FOR PRODUCTION MANAGEMENT*
Bogdan Silvia and Bogdan Laurean
3. *MARKET HUNTING*
Circo (Stancu) Jeanina and Lupulescu-Barbu Nouras
4. *A COMPLEMENTARY APPROACH OF ECONOMIC INTELLIGENCE AND KNOWLEDGE MANAGEMENT – TOWARD THE ORGANIZATIONAL INTELLIGENCE*
Ursăcescu Minodora
5. *OPTIMIZING MANAGEMENT DECISIONS UNDER UNCERTAINTY-CASE STUDY*
Faur Cezara and Lupulescu Nouras-Barbu
6. *COMPUTER AIDED SWOT ANALYSIS APPLIED TO SMES USING CONCENTRATED ENERGIES TECHNOLOGIES*
Ghiculescu Daniela, Marinescu Niculae, Ghiculescu Daniel and Nanu Sergiu
7. *INFORMATION TECHNOLOGY – BASIS OF MANAGERIAL DECISIONS*
Goldan Tudor and Moraru Roland
8. *EXPERT SYSTEM FOR THE PRODUCT VALUE ANALYSIS*
Pârv Luminița, Lupulescu Nourăș Barbu and Pârv Mihai
9. *TRAINING AND ORGANIZATIONAL DEVELOPMENT: TOOLS TO IMPROVE COMPANIES' SALES EFFECTIVENESS*
Joldes Cosmin, Ilie Livia and Horobet Alexandra

Agenda

Thursday, June 02nd 2011

14.00 - 16.00

Session H1

Room IM 323

**MANAGEMENT, MODELING AND MONITORING OF
MANUFACTURING PROCESS**

Chairmen:**Constantin Minciu****Aurelian Vlase****Achim Muntean**

1. *MATHEMATICAL MODEL FOR DETERMINING THE FORCES IN SINGLE POINT INCREMENTAL FORMING*
Blaga Adrian, Bologna Octavian, Oleksik Valentin and Racz Gabriel
2. *THE CALCULUS RELATION OF THE CUTTING MOMENT AT DRILLING OF THE STAINLESS STEEL 2NICR185*
Blăjină Ovidiu, Vlase Aurelian and Vlase Bogdan
3. *FUNCTION OF THE SURFACE ROUGHNESS AT TURNING OF THE STAINLESS STEEL 10TIMONICR175*
Blăjină Ovidiu, Vlase Bogdan and Vlase Aurelian
4. *DETERMINING THE DRILLING FORCES REGRESSION AT DRILLING IN COMPOSITE MATERIALS*
Ocnărescu Constantin, Ocnărescu Maria and Vlase Bogdan
5. *FORCES ANALYSIS DURING THE DRILLING PROCESS OF UD-GFRP MATERIAL*
Lita Andra, Bisu Claudiu and Minciu Constantin
6. *DETERMINING THE DRILLING TORQUES REGRESSION AT DRILLING IN COMPOSITE MATERIALS WITH POLIMERIC MATRIX AND 20% GLASS FIBRES*
Ocnărescu Constantin, Ocnărescu Maria and Vlase Bogdan
7. *THE CALCULUS RELATION OF THE AXIAL CUTTING FORCE AT WIDENING OF THE STAINLESS STEEL 2NICR185*
Vlase Aurelian, Blăjină Ovidiu and Vlase Bogdan
8. *PUNCHING WITH SLOPING EDGES PART I*
Sindilă Gheorghe and Rohan Rodica
9. *PUNCHING WITH SLOPING EDGES. PART 2*
Sindilă Gheorghe and Rohan Rodica

Thursday, June 02nd 2011

14.00 -16.00

Session K1

Room IM 401

RESEARCH ACTIVITY IN TECHNICAL UNIVERSITIES**Chairmen:****Petre Berce****Krzysztof Polansky****Sorin Borza**

1. *RESEARCH ON THE SHOCK HEAT TREATMENT METHOD USED FOR IMPROVING THE FORMABILITY OF ALUMINIUM ALLOYS*
Bichiş Ioana, Părăianu Liana, Comşa Sorin and Banabic Dorel
2. *OPTIMUM UTILIZATION ARMORED VEHICLES IN MILITARY ACTIONS*
Căruţaşu Daniela, Căruţaşu Vasile and Brîndaşu Dan Paul
3. *THE GRINDING PROCESS ASSESSMENT FOR A SINGLE WHEAT KERNEL, WITH A NEW DESIGNED MICROMILL*
Danciu Cristina and Jâşcanu Vasile
4. *SOFTWARE FOR PROCESS CONTROL IN HAZARDOUS AREA USING A DEDICATED PLC*
Sochirca Bogdan, Poanta Aron, Pătrăşcoiu Nicolae and Tomuş Adrian
5. *OPTIMIZATION OF ADDITIVE MANUFACTURING BY 3D PRINTING FOR FIT AND FUNCTIONAL TESTING*
Udroiu Răzvan and Deaky Bogdan-Alexandru
6. *EXPERIMENTAL RESEARCH ON MANUFACTURING TECHNOLOGY OF METAL SPRAYING MOLD*
Fodorean Ioan, Berce Petru, Radu Adrian and Mureşan Sorina
7. *OPTICAL METROLOGY ON VACUUM CAST SILICONE RUBBER FORM*
Păcurar Ramona, Berce Petru, Caizar Cristian and Păcurar Răzvan
8. *CURRENT AND FUTURE PROSPECTS IN MANUFACTURING TECHNOLOGIES BY SELECTIVE LASER MELTING*
Pop Dinu, Berce Petru, Mureşan Sorina, Radu Adrian Sever and Filip Adina
9. *LABORATORY TESTS OF PROPERTIES OF SELECTED LOOSE MATERIALS*
Polański Krzysztof

Agenda

Thursday, June 02nd 2011

14.00 - 16.00

Session L1

Room Banatului 11

SAFETY AND HEALTH AT WORK

Chairmen:

Lucian Ionel Cioca

Roland Moraru

1. *OCCUPATIONAL RISK-PREVENTION LEGISLATION. EXPERIENCE OF ITS APPLICATION IN SPAIN*
Guzmán Córdoba Antonio
2. *“KINNEY METHODS”: USEFUL OR HARMFUL TOOLS IN RISK ASSESSMENT AND MANAGEMENT PROCESS?*
Băbuț Gabriel-Bujor, Moraru Roland-Iosif and Cioca Lucian-Ionel
3. *ERGONOMICS IMPROVEMENTS AND OCCUPATIONAL HEALTH AND SAFETY OUTCOMES IN COMPANY STRATEGIES*
Cioca Lucian-Ionel, Moraru Roland-Iosif and Băbuț Gabriel-Bujor
4. *ROME, ANCIENT GREECE, DIRECTIVE 89/319/EEC AND CONFUSION OF LAW, NR. 319/2006*
Costăchescu Daniel
5. *DEVELOPMENT MODEL OF A WIDER PLAN TO INCREASE LABOR PRODUCTIVITY IN THE CONDITIONS OF ROMANIA*
Rotaru Petru-Ioan, Hurdu Dan, Radoae Daciana Maria, Popovici Adrian and Ciocan Liviu
6. *RESULTS IN REMEDIATION OF DIESEL CONTAMINATED SOIL USING BIODEGRADABLE SORBENTS*
Chiurtu Elena-Ruxandra and Nistor Iulian
7. *A BETTER RISK MANAGEMENT BY EVALUATION OF COMPLIANCE WITH THE OHS LEGAL REQUIREMENTS*
Darabonț Doru Costin, Mitea Adi-Cristina, Cioca Lucian-Ionel and Ioan Popovici

Thursday, June 02nd 2011

14.00 - 16.00

Session M

Room IM 202

TRANSPORT ENGINEERING, TRAFFIC MANAGEMENT

Chairmen:

Vasile Dragu

Alexandru Racovitză

Mircea Bădescu

1. *ABOUT PASSENGERS TRANSPORTATION PLANNING*
Dragu Vasile and Burciu Ștefan
2. *CONSIDERATIONS ON SPEED-DENSITY-FLOW RELATIONSHIPS IN TRAFFIC STREAM THEORY*
Frățilă Marcu
3. *JUNCTION DESIGN AND PLANNING FOR THE PENETRATION OF A MAJOR ROUTE DETERMINED BY A NEW CENTROID (COMMERCIAL CENTRE)*
Raicu Șerban, Dragu Vasile, Burciu Ștefan and Ștefănică Cristina
4. *ESSENTIAL CONCEPTS OF ROAD TRAFFIC CONGESTION*
Roșca Mircea Augustin and Roșca Eugen
5. *IMPACT STUDY RING ROAD OF SIBIU ON THE SOCIO-ECONOMIC AND ENVIRONMENTAL CONDITIONS*
Ință Marinela, Bădescu Mircea, Muntean Achim and Purcar Carmen
6. *ANALYZE OF TRAFFIC MODELING ON A CONGESTED ARTERY*
Ință Marinela, Muntean Achim and Bădescu Mircea
7. *A BRIEF REVIEW ON URBAN PUBLIC TRANSPORT IN ROMANIA*
Purcar Carmen and Țîțu Mihail
8. *MULTIPLE FUELS ENGINES TEST BED CONCEPTION AND DESIGN*
Racovitză Alexandru Cristian and Lobonț Lucian
9. *PROBLEMS OF THE RELIABILITY AND MAINTENANCE OF VEHICLE COMPONENTS*
Stere Paris Adrian, Târcolea Constantin and Andreescu Cristian
10. *STEPS FOR AN EFFICIENT MANAGEMENT OF TRAFFIC INCIDENTS*
Tarnu Lucian Ioan

Agenda

Thursday, June 02nd 2011

14.00 - 16.00

Sessions N1

Room IM 222

VIRTUAL MANUFACTURING DIGITAL FACTORY

Chairmen:

Dorel Banabic

George Drăghici

1. *SELF-DEVELOPED SOFTWARE APPLICATIONS FOR REMOTE MONITORING. THE DESKTOP AND WEB APPLICATIONS*
Deáky Bogdan-Alexandru and Drăgoi Mircea-Viorel
2. *VIRTUAL MANUFACTURING OF CYLINDER CASING*
Haba Sever Alexandru and Oancea Gheorghe
3. *INTELLIGENT MANUFACTURING SYSTEM: SELF-ORGANIZATION MANUFACTURING SYSTEM*
Vlášek Matúš and Košťál Peter
4. *DEFINING A LIBRARY OF ANGULAR BALL BEARINGS WITH SIMPLE EFFECT IN CREO/PROE WF5*
Manolea Daniel and Bercan Nicolae
5. *USING SEMANTIC TECHNOLOGIES IN LOCATION AWARE APPLICATIONS FOR MOBILE FACTORY MAINTENANCE*
Peter Stephan, Matthias Loskyll, Ines Heck and Jochen Schlick
6. *ASSEMBLY/DISASSEMBLY ADVANCED CAPABILITIES IN CAD, CAE SOFTWARE*
Popescu Diana, Parpală Radu Constantin, Popa Cicerone Laurențiu and Iacob Robert
7. *AUGMENTED REALITY APPLICATIONS FOR FUTURE MANUFACTURING*
Pascal Schaumlöffel, Muhammad Talha, Dominic Gorecky and Gerrit Meixner
8. *INTELLIGENT DEVELOPMENT VEHICLE FOR SPECIFIC ENVIRONMENT NAVIGATION*
Luca Răzvan, Simion Carmen, Tröster Fritz and Gall Robert

Thursday, June 02nd 2011

16.30 - 18.30

Session A2

Room Banatului 12

ACADEMIC EDUCATION**Chairmen:****Achim Moise****Carmen Dușe****Daniela Crețu**

1. *ADULT LEARNING*
Mara Daniel and Mara Elena-Lucia
2. *DECISION-MAKING IN PROFESSIONAL INFORMATION AND GUIDANCE*
Mara Daniel, Andron Daniela and Chișiu Carmen-Maria
3. *THE PROCESS OF EDUCATION A SYSTEMIC APPROACH FOR ACHIEVING EDUCATIONAL ACTIVITY*
Mihăescu Diana and Mihăescu Liviu
4. *FOSTERING CREATIVITY IN ENGINEERING STUDENTS*
Moise Achim, Popescu Teodora and Kadar Manuella
5. *ASPECTS REGARDING CURRENT AND PERSPECTIVE EVOLUTIONS IN EDUCATION IN ACCORDANCE WITH INTELLECTUAL PROPERTY*
Oprean Constantin, Țițu Aurel Mihail, Tănăsescu Cristina, Oprean Camelia and Țițu Mariana
6. *PROBLEM-BASED LEARNING IN INDUSTRIAL ENGINEERING EDUCATION*
Pârv Luminița
7. Harvard: 375 Years of Pioneering Research
- Robert G. Doyle (Associate Dean, Faculty of Arts and Sciences)
- John Yusufu (SB candidate in Mechanical Engineering)
- Aurelian Nicolae (SB candidate in Mechanical Engineering)
8. *ARE CONCEPT MAPS ONE A SOLUTION FOR THE TECHNICAL FIELD?*
Rotaru Ionela Magdalena and Beju Dana Livia
9. *APPLICATIONS OF FLOW THEORY IN ACADEMIC EDUCATION*
Stanciu Tudor

Thursday, June 02nd 2011

16.30 - 18.30

Session D2

Room IM 201

**DESIGN, MANUFACTURING AND MANAGEMENT OF
TECHNOLOGICAL EQUIPMENT AND SYSTEMS**

Chairmen:

Daniela Pușcă

Paul Dan Brîndașu

Eugen Pămîntaș

1. *DESIGN OF A SHEAR TEST FIXTURE AND SPECIMEN FOR CYCLIC SHEAR TEST OF SHEET MATERIALS*
Sarker Samsul Alam, Green Daniel and Pușcă Daniela
2. *ABOUT THE STABILITY PROBLEMS OF A MILLING MACHINE ELASTIC MODEL*
Iliescu Victor and Dragomirescu Cristian
3. *CHIP CONTROL IN TURNING PROCESS OF THE API ROUND THREAD*
Jula Felicia Camelia, Borzan Marian and Mureșan Mihaela Iuliana
4. *USING OF THE PROXIMITY SENSORS IN CLAMPING SYSTEMS*
Kerak Peter and Košťál Peter
5. *REDESIGNING AND MANUFACTURING OF DAMAGED GEARS USING INNOVATIVE TECHNOLOGIES*
Manolescu Alexandru, Oancea Gheorghe, Pescaru Roxana, Udrioi Răzvan and Bădan Iulian
6. *MOBILE EQUIPMENT FOR ELECTROCHEMICAL DEBURRING OF WORKPIECES*
Marinescu Niculae, Ghiculescu Daniel, Nanu Sergiu and Ghiculescu Daniela
7. *STUDY REGARDING THE STRESS OF THORIC MILLING CUTTER PROCESSING COMPLEX SURFACES*
Mureșan Mihaela Iuliana, Borzan Marian, Jula Felicia and Trif Adrian
8. *CHIP BREAKAGE ON HIGH-SPEED SEMI-ORTOGONAL TURNING*
Pămîntaș Eugen
9. *BREAKING TOOL - SEARCH THE POSSIBLE CAUSES OF UNWANTED CRUSH*
Pămîntaș Eugen

Thursday, June 02nd 2011

16.30 - 18.30

Sessions F1

Room IM 202

ENGINEERING ON OIL AND GAS FIELD AND MINES

Chairmen:

Dan Paul Ștefănescu

Valentin Petrescu

1. *VIRTUAL INSTRUMENTATION MADE IN THE EDUCATIONAL PROCESS OF FUTURE NATURAL GAS ENGINEER*
Borza Sorin
2. *REVIEW THE POSSIBILITIES OF REHABILITATION THE WASTE DUMPS AT ROSIA MONTANA, ROMANIA*
Toderaș Mihaela
3. *SOLUTIONS FOR INCREASING THE STABILITY OF THE SELISTEVALLEY TAILING DAM*
Toderaș Mihaela
4. *KEY ASPECTS OF THE REORGANIZATION OF COAL INDUSTRY IN EUROPE AND ROMANIA*
Csiminga Diana Cornelia, Mangu Sorin Iuliu and Iloiu Mirela
5. *MODELING METHODS OF TECHNOLOGICAL PROCESS IN SLAUGHTER MINING*
Furdui Ersilia Teodora, Edelhauser Eduard and Lupu-Dima Lucian
6. *UNIVERSITY OF PETROSANI, TRAINING CENTER FOR THE MINING INDUSTRY WORKFORCE RECONVERSION*
Furdui Ersilia Teodora, Edelhauser Eduard and Lupu-Dima Lucian
7. *ENVIRONMENTAL IMPACT OF MINING ACTIVITIES: A NATIONAL LEVEL INVENTORY*
Goldan Tudor
8. *SCADA – THE IMAGE OF MODERN MANAGEMENT IN GAS INDUSTRY*
Mesaros Horațiu Florin and Ștefănescu Dan Paul
9. *PRESENT AND FUTURE SITUATION OF COAL MINING ON THE JIU VALLEY*
Plesea Valeriu, Vasilescu Gabriel, Dumitrescu Ioan, Sorin Radu, Vlaicu Popa Marius Eremia, Blenesi-Dima Attila and Tomescu Cristian

Thursday, June 02nd 2011

16.30 - 18.30

Session G2

Room IM 301

MANAGEMENT AND ECONOMICAL ENGINEERING

Chairmen:

Gabriela Raveica

António Gonçalves-Coelho

Liviu Roşca

1. *SOCIAL RESPONSIBILITY AND SUSTAINABILITY ETHICS IN ENGINEERING*
Jucan Cornel Nicolae and Jucan Mihaela Sabina
2. *CONSIDERATION REGARDING THE ASSESSMENT METHODS OF MINING PROJECTS*
Mangu Sorin Iuliu and Diana Csimga Cornelia and Iloiu Mirela
3. *MASTERS' THESES AS A MEANS TO PROMOTE LINKS BETWEEN UNIVERSITY AND COMPANIES*
António Mourão, António Gonçalves-Coelho
4. *CORPORATE PARTNERSHIPS - A CSR KEY ELEMENT FOR INNOVATION AND COMPETITIVENESS*
Dobrea Răzvan Cătălin and Găman Alexandra
5. *STUDY ON DISSIMULATION, CHAMELEONISM, AND LIE IN THE CONDUCT OF ROMANIANS (ARE ROMANIANS MACHIAVELLIAN? - PART I.)*
Marcu Viorica and Roşca Liviu
6. *ECHITERA-EQUIPEMENT FOR REHABILITATION THERAPIES-NEW COMPETENCIES REQUIRED ON THE ROMANIAN LABOR MARKET*
Mohora Cristina, Raveica Gabriela and Anania Dorel
7. *DEFINING AND FUNCTIONS OF FISCAL MANAGEMENT*
Moldovan Iosif
8. *THE INFLUENCE OF ORGANIZATIONAL CULTURE ON THE ABILITIES OF OPERATIONAL MANAGERS*
Moraru Gina-Maria and Cioca Adrian
9. *THE CHALLENGE OF FINANCING A UNIVERSITY THROUGH TERTIARY SECTOR ACTIVITIES*
Novac Carmen and Dumitraşcu Dănuţ

Thursday, June 02nd 2011

16.30 - 18.30

Session H2

Room IM 323

MANAGEMENT, MODELING AND MONITORING OF MANUFACTURING PROCESS

Chairmen:**Gheorghe Sindilă****Eduard Nițu****Laurean Bogdan**

1. *SOME ASPECTS REGARDING MODELING MATERIAL REMOVAL ON EDM PROCESS*
Nanu Alexandru Sergiu, Ghiculescu Daniela and Pîrnău Claudiu
2. *ADVANCES IN ULTRASONIC AIDED EDM VARIANTS AND NEW IMPROVEMENTS OF EDM PROCESS*
Nanu Alexandru Sergiu, Ghiculescu Daniela and Pîrnău Claudiu
3. *ANALYTICAL MODELLING OF THE PROCESS OF COLD ROLLING BY IN-FEED METHOD - PART I*
Nițu Eduard, Ungureanu Ion, Ferron Gerard, Iacomî Doina and Iordache Monica
4. *ANALYTICAL MODELLING OF THE PROCESS OF COLD ROLLING BY IN-FEED METHOD - PART II*
Nițu Eduard, Ungureanu Ion, Marincei Luminița, Iordache Monica and Iacomî Doina
5. *EFFECT OF THE FEED RATE ON BALL - BURNISHING PROCESS*
Manole Iolanda Elena, Nagit Gheorghe, Mocanu Andries Mihai-Cătălin and Mihalache Marius-Andrei
6. *EXPERIMENTAL STUDY OF FORMING FORCES ON FLAT WEDGE TOOLS PROFILES ROLLING*
Iacomî Doina, Ungureanu Ion, Nițu Eduard, Iordache Monica and Tudor Mădălin
7. *THE OPTIMIZATION OF A LASER CUTTING SYSTEM FOR CUTTING 6MM MILD STEEL USING DOE SOFTWARE*
Petrianu Cristian, Bibu Marius and Manolea Daniel
8. *A STUDY ON TRAVERSE RATE OF SEPARATION CUT IN ABRASIVE WATER JET CUTTING OF CARBON STEEL S275JR USING REGRESSION ANALYSIS METHOD*
Radovanović Miroslav and Madić Miloš

Agenda

Thursday, June 02nd 2011

16.30 - 18.30

Sessions J

Room IM 407

QUALITY MANAGEMENT

Chairmen:

Claudiu Kifor

Mihail Țițu

1. *DESIGN FOR QUALITY IN ENGINEERING EDUCATION*
Pușcă Daniela and Petrescu Valentin
2. *CONCEPTUAL MODEL FOR ADVANCED PROCESS PLANNING AND VALIDATION*
Zerbes Mihai, Oprean Constantin, Lobonț Lucian, Pascu Radu and Popescu Liliana
3. *ASPECTS REGARDING PRINCIPLES, CONTENT AND ACTIONS IMPOSED TO CREATING A PROCEDURE PRIOR TO ADOPTING A COMMUNICATION QUALITY MANAGEMENT PLAN IN AN ORGANISATION*
Țițu Aurel Mihail, Flucă Daniela Maria, Purcar Carmen, Țițu Mariana and Vanu Alina Mihaela
4. *ELECTRICAL POWER QUALITY MANAGEMENT ISSUES*
Bălan Daniel
5. *PROVIDING GOOD QUALITY RESULTS OF TEST LABORATORIES WITH THE HELP OF CONTROL CHARTS*
Drăghici Angelica, Vasilescu Gabriel-Dragoș and Szollosi-Moța Andrei
6. *A CONCEPTUAL MODEL FOR THE PROJECT QUALITY MANAGEMENT PROCESS*
Pascu V. Radu, Zerbes V. Mihai, Popescu G. Liliana and Muntean Laura

Thursday, June 02nd 2011

16.30 - 18.30

Session K2

Room IM 401

RESEARCH ACTIVITY IN TECHNICAL UNIVERSITIES

Chairmen:

Barbu-Nouruş Lupulescu

Nicolae Marinescu

Nicolae Bâlc

1. *HYDROSTATIC SYSTEM DESIGN USING VIRTUAL INSTRUMENTATION*
Ion Guţă Dragoş and Cioranu Cosmin
2. *MATHEMATICAL MODEL OF AWJ CUTTING OF CARBON STEEL S275JR BASED ON ANN*
Madić Miloš and Radovanović Miroslav
3. *VIRTUAL INSTRUMENTATION USED IN DESIGN OF DYNAMICAL SYSTEMS*
Pătrăşcoiu Nicolae, Poanta Aron, Tomuş Adrian and Sochirca Bogdan
4. *ANGULAR SPEED MEASUREMENT USING VIRTUAL INSTRUMENTATION*
Pătrăşcoiu Nicolae, Poanta Aron, Tomuş Adrian and Sochirca Bogdan
5. *RESEARCH ON METAL PARTS MANUFACTURED BY SELECTIVE LASER MELTING*
Mureşan Sorina-Crina, Bâlc Nicolae and Pop Dinu-Ioan
6. *LIFETIME ASSESSMENT FOR A GFRP ROOF OF A SIX-DOOR-STRETCH LIMOUSINE*
Natanail Răzvan and Alexandru Paşa
7. *LABORATORY TEST RIG AND VIRTUAL INSTRUMENT FOR ANALYSIS OF TRANSIENT SWITCHING OVERVOLTAGES*
Friedmann Martin, Zoller Carol, Moldovan Lucian, Magyari Mihai and Remus Dobra

Agenda

Thursday, June 02nd 2011

16.30 - 18.30

Session L2

Room Banatului 11

SAFETY AND HEALTH AT WORK

Chairmen:

Remus Furtună

Doru Darabont

1. *APPROACH FOR RISK EVALUATION ONTOLOGY DESIGN*
Drăghici Anca, Ivascu Larisa and Drăgoi George
2. *DRAWBACKS AND TRAPS IN RISK ASSESSMENT: EXAMPLES IN ROMANIA*
Moraru Roland-Iosif, Băbuț Gabriel-Bujor and Cioca Lucian-Ionel
3. *THE IMPLEMENTATION IMPACT OF ISO 26000 IN ROMANIA IN COMPANIES FROM ENERGY*
Nisipeanu S. Elisabeta, Stepa Raluca Ruxandra, Haiducu Maria
4. *MUSCULOSKELETAL DISORDERS FOR REPETITIVE MOVEMENTS AT ADMINISTRATIVE PERSONNEL*
Rotaru Mihaela and Purcar Carmen
5. *NEW TEST METHODS FOR CONFORMITY ASSESMENT OF CONVEYOR BELTS WITH THE SAFETY REQUIREMENTS*
Părăian Mihaela, Ghicioi Emilian, Lupu Leonard, Păun Florin, Vătavu Niculina and Jurca Adrian
6. *STUDY MODEL REGARDING RELATIONSHIP BETWEEN PREVAILING DISEASES AND PROFESSIONAL FACTORS*
Zimbru Ramona, Sava Catalin, Apostol Valentin, Rucareanu Lacrima and Rotaru Petru-Ioan

Thursday, June 02nd 2011

16.30 - 18.30

Sessions N2

Room IM 222

VIRTUAL MANUFACTURING DIGITAL FACTORY

Chairmen:

Costel Coteț

Daniel Manolea

1. *THE GENERATION OF CNC FILE IMPORTANT STEP IN THE TECHNOLOGICAL OF MANUFACTURING PREPARATION*
Ivan Nicolae - Valentin, Bacalu Marius, Ivan Maria-Cornelia and Pescaru Roxana
2. *DISCRETE MATERIAL FLOW SIMULATION IN PRODUCTIVITY DIAGNOSIS*
Chiscop Florina, Popa Cicerone Laurentiu and Coteț Costel Emil
3. *THE TECHNOLOGY PREPARATION OF MANUFACTURING AS CAD FACILITY*
Ivan Nicolae-Valentin, Ivan Maria-Cornelia, Bacalu Marius and Pescaru Roxana
4. *MODELLING AND SIMULATION OF MATERIAL FLOW*
Krajčová Katarína, Pecháček František and Velíšek Karol
5. *PLATFORM FOR INTEGRATED PRODUCT DESIGN AND MANUFACTURING*
Ștef Dorian, Florică Stelian and Drăghici George
6. *NETWORKS OF KNOWLEDGE AS FORMS OF VIRTUAL ORGANIZATION & THEIR SPECIFIC HUMAN RESOURCES*
Popa Diana Mariana and Nica Gabriela Beatrice
7. *DATA EXCHANGE SOFTWARE MODULE BETWEEN AUTOCAD AND CATIA ENVIRONMENTS*
Haba Sever Alexandru and Oancea Gheorghe

Agenda

Thursday, June 02nd 2011

20.00

BANQUET “ÎMPĂRATUL ROMANILOR” RESTAURANT

Friday, June 03rd, 2011

Parallel Session: Paper Presentations

Friday, June 03rd 2011

8.00 - 10.00

Session C

Room IM 202

BIOMEDICAL ENGINEERING

Chairmen:

Slobodan Navalušić

Nicolae Cofaru

1. *EXPERIMENTAL STUDY ON THE RECONSTRUCTION OF THE HUMAN KNEE ANTERIOR CRUCIATE LIGAMENT*
Cofaru Ileana Ioana, Cofaru Nicolae Florin, Roman Mihai Dan and Brîndaşu Paul Dan
2. *THE COMPARATIVE EXPERIMENTAL STUDY OF THE GRAFT FIXATION IN ACL RECONSTRUCTION*
Cofaru Ileana Ioana, Cofaru Nicolae Florin, Roman Mihai Dan and Fleacă Radu
3. *EXAMPLES OF DEVELOPMENT OF PROGRAM SYSTEMS WITH HAPTIC INTERACTION*
Milojević Zoran, Navalušić Slobodan, Zeljković Milan, Vićević Marija and Beju Livia Dana
4. *DESIGN PROCESS OF MODULAR, REVISION TOTAL HIP ENDOPROSTHESIS*
Tabaković Slobodan, Živković Aleksandar, Grujić Jovan and Zeljković Milan
5. *RESEARCH ON THE BEHAVIOR OF THE PROXIMAL THIRD OF THE FEMUR TO STATIC LOADS BEFORE AND AFTER CORE DECOMPRESSION*
Vasiloaica Constantin and Fleşeriu Traian

Agenda

Friday, June 03rd 2011

08.00 - 10.00

Session D3

Room IM 201

**DESIGN, MANUFACTURING AND MANAGEMENT OF
TECHNOLOGICAL EQUIPMENT AND SYSTEMS**

Chairmen:

Eugen Străjescu

Niculae Marinescu

Ioan Bârsan

1. *METHOD FOR THE CONTROL OF THE GEOMETRIC AND CONSTRUCTIVE ELEMENTS OF THE HELICAL DRILLS*
Pavlov Olimpia, Străjescu Eugen and Dogariu Constantin
2. *DESIGNING, MODELLING AND PROTOTYPING A CUSTOMIZED DEVICE FOR LASER MICRO-MACHINING*
Iliescu Mihaiela
3. *DEVICE FOR ELECTRICAL DISCHARGE MACHINING OF CURVED HOLES*
Slătineanu Laurențiu, Coteață Margareta, Uliuliuc Dumitru and Manole Iolanda
4. *PCA APPLIED FOR EQUIPMENTS SELECTION*
Stere Paris Adrian and Târcolea Constantin
5. *GEOMETRICAL PRODUCT SPECIFICATION – PERPENDICULARITY SPECIFICATION ASSESSMENT*
Șerbana Oana and Simion Carmen
6. *DESIGN OF EQUIPMENT ELEMENTS FOR THE CLOSING OF SHOCK ABSORBERS THROUGH THE ROLLING METHOD*
Telea Dorin and Popp Ilie
7. *THE FUNCTIONAL MODELLING AND SIMULATING OF A VACUUM PREHENSILE DEVICE*
Tocuț Pavel, Tripe Vidican Călin, Țarcă Radu and Țarcă Ioan

Friday, June 03rd 2011

8.00 – 10.00

Session E1

Room IM 222

E-LEARNING, E-DESIGN, E-RESEARCH

Chairmen:

Sorin Borza

Marius Cioca

1. *THE MANAGEMENT OF E-LEARNING PLATFORM FOR HIGHER EDUCATION TRAINING*
Badea Cristinel and Nedelcu Dumitru
2. *IMPROVING THE QUALITY OF DISTANCE EDUCATION IN THE "LUCIAN BLAGA" UNIVERSITY OF SIBIU*
Blaj Marilena, Zerbes Mihai-Victor and Kifor Claudiu Vasile
3. *E-LEARNING SYSTEMS INTEGRATION USING SEMANTIC WEB*
Cioca Marius, Suduc Ana-Maria and Bîzoi Mihai
4. *E-LEARNING ASSESSMENT TOOL*
Ciora Radu Adrian, Simion Carmen and Voinia Claudiu
5. *AN OVERVIEW OF THE LINGUISTIC RESOURCES USED IN E-LEARNING*
Dobre Iuliana
6. *THE INFORMATION RELATION DATABASES USING ACCORDING TO THE IMPROVEMENT IN AREA OF THE KNOWLEDGE REPRESENTATION*
Kuba Jozef
7. *STUDY CASE FOR TEACHING IN A E-LEARNING OPEN SOURCE ENVIRONMENT*
Nituca Costica and Stanciu Tudor
8. *DEVELOPMENT OF MEANS FOR RESEARCH*
Popescu Liliana Georgeta, Brîndaşu Paul Dan and Beju Livia Dana

Agenda

Friday, June 03rd 2011

08.00 - 10.00

Session G3

Room IM 301

MANAGEMENT AND ECONOMICAL ENGINEERING

Chairmen:

George Drăgoi

Laurean Bogdan

Dan Miricescu

1. *FAIR ADJUSTMENT OF JOB ORDER COSTING FOR CHANGE ORDERS*
Heinisch Martin
2. *THE IMPORTANCE OF CHANGE MANAGEMENT IN THE CURRENT ECONOMIC CRISIS*
Pirnau Claudiu, Nanu Alexandru Sergiu and Ghiculescu Daniela
3. *THE HUMAN RESOURCE ACTIVITY IMPROVEMENT IN SMES USING KNOWLEDGE APPLICATIONS*
Roşu Sebastian Marius, Drăgoi George and Drăghici Anca
4. *TECHTECHNOLOGICAL PREMISES MANAGEMENT STRATEGY OF IMPLEMENTING JUST-IN-TIME-MACHINING*
Rusu Ştefan and Vişan Camelia
5. *CECRE AND ELECTRICITY MARKET IN SPAIN*
Dascălu Carmen Roxana
6. *THE IMPORTANCE OF STUDENT MOBILITY FOR PLACEMENTS IN EUROPEAN ECONOMIC CRISIS*
Stoika Radu and Nen Madlena
7. *RISK MANAGEMENT IN ROMANIAN RECESSION ECONOMY – RESEARCH NOTES*
Andron Daniela Roxana
8. *UNIVERSITY – ENTERPRISE PARTNERSHIP ASSET FOR A SUSTAINABLE DEVELOPMENT*
Stoika Radu, Nen Madlena and Bancila Andi Mihail
9. *INNOVATIVE TRAINING TO INTRODUCE INNOVATION IN SME'S*
Tilina Dana and Zapciu Miron

Friday, June 03rd 2011

08.00 - 10.00

Session H3

Room IM 323

**MANAGEMENT, MODELING AND MONITORING OF
MANUFACTURING PROCESSES**

Chairmen:

Achim Muntean

Valentin Oleksik

1. *PREOCCUPATIONS, ACHIEVEMENTS AND GAPS IN UNDERSTANDING THE MATERIAL FORMABILITY IN SPIF*
Radu Crina
2. *THE ROLE OF ERP SYSTEMS FOR EFFECTIVE DECISION IN PRODUCTION ENVIRONMENT*
Rohan Rodica, Sindilă Gheorghe and Rohan Raul
3. *KNOWLEDGE MODELS IN ENGINEERING TECHNOLOGY AND MANUFACTURING. A SPECIFIC EXAMPLE*
Rotaru Ionela Magdalena, Lobonț Lucian and Radu Vasile
4. *KNOWLEDGE MODELS IN ENGINEERING TECHNOLOGY AND MANUFACTURING*
Rotaru Ionela Magdalena
5. *CUTTING MACHINABILITY OF TITANIUM ALLOYS*
Croitoru Sorin Mihai, Tănase Ioan, Bîșu Claudiu Florinel and Constantin George
6. *„AS METHOD” A NEW METHOD OF WORKPLACES ORGANIZATION*
Timofte Gianina and Chirugu Marius
7. *A DETAILED ANALYSIS OF SURFACE ROUGHNESS IN METAL CUTTING*
Muntean Achim and Ință Marinela
8. *RESEARCHES ON THE FORMING FORCE DURING THE NECKING-IN PROCESS USED FOR CONICAL REVERSED HOLLOW PARTS*
Neagoe Ion and Alexandru Filip

Agenda

Friday, June 03rd 2011

08.00 - 10.00

Session K3

Room IM 401

RESEARCH ACTIVITY IN TECHNICAL UNIVERSITIES

Chairmen:

Mircea Bădescu

Călin Deneş

1. *A COMPARISON BETWEEN THE MODAL PARAMETERS OBTAINED BY TWO DIFFERENT ACCELEROMETERS*
Miriţoiu Cosmin, Ilincioiu Dan, Jimenez Juan Pablo and Roşu Cătălin
2. *AN ANALYTICAL AND EXPERIMENTAL STRENGTH ANALYSIS FOR A METALLIC STRUCTURE*
Miriţoiu Cosmin, Ilincioiu Dan, Jimenez Juan Pablo and Roşu Cătălin
3. *REGARDING THE CHARACTERIZATION ANALYSIS OF SILICONE RUBBER RECOVERABLE FROM COMPOSITE ELECTRICAL INSULATORS*
Popescu Daniel and Cherciu Mirela
4. *METHODOLOGY FOR STUDY THE LUBRICANTS BEHAVIOR*
Rădulescu Irina, Rădulescu Alexandru Valentin, Savu Tom, Broboană Diana, Popescu Pogriion Nicoleta and Petrescu Florin
5. *DESIGN OF THE GROUP OF SENSORS FOR IDENTIFICATION OF DEVICES IN THE WORKSPACE OF INTELLIGENT ASSEMBLY CELL*
Šebeňová Silvia and Velíšek Karol
6. *DEVELOPMENT OF A DEDICATED PLC USED FOR HAZARDOUS AREA*
Sochirca Bogdan, Poanta Aron, Pătrăşcoiu Nicolae, Tomuş Adrian
7. *SCALABLE SIMULATION FOR BRIDGE OFFICERS AND ENGINEERS TRAINING*
Dobref Vasile, Clinci Cătălin and Tărăbuţă Octavian

Friday, June 03rd 2011

08.00 - 10.00

Session L3

Room Banatului 11

SAFETY AND HEALTH AT WORK

Chairmen:

Adi-Cristina Mitea

Gabriel Băbuț

1. *FROM THE INTEGRAL SECURITY TO THE INTEGRATION OF HEALT AND SAFETY AT WORK*
Bratu Dantes Nicolae and Furtună Remus
2. *THE COST OF SAFETY WORK IN ELECTRICAL INSTALLATIONS*
Buica Georgeta, Beiu Constantin, Toader Cornel, Iorga Ionel and Stochițoiu Maria Daniela
3. *DEVELOPING AN AUTOMATIC EQUIPMENT FOR PROCESSING THERMAL CYCLES ON AMMONIUM NITRATE PROCEEDING THE DETONABILITY TEST*
Rus Daniela Carmen, Kovacs Attila and Gheorghiosu Edward
4. *VALIDATION OF A NON-STANDARD SPECTROPHOTOMETRY METHOD WITH THE VIEW TO CARRYING OUT ACCREDITED TESTS*
Toth Lorand, Szollosi-Mota Andrei and Suvar Marius
5. *EVALUATING THE SAFETY RISK IN RELATION TO THE OHS MANAGEMENT SPECIFIC TO WORK SYSTEMS*
Vasilescu Gabriel, Drăghici Angelica and Toma Radu
6. *HUMAN FACTOR DURING RESCUE OPERATIONS – A PSYCHOSOCIOLOGICAL ANALYSIS*
Găman Artur George, Vreme Ciprian, Pupăzan Daniel and Ilie Cosmin
7. *METHOD FOR VERIFICATION OF THE SAFETY PARAMETRS FOR ELECTRICAL DETONATORSIGNITION SYSTEMS, INTEGRATED IN SPECIAL TRUCKS*
Ghicioi Emilian, Părăian Mihaela, Lupu Leonard, Jurca Adrian
8. *S.W.O.T. ANALYSIS OF OHSAS 18001: 2007 IMPLEMENTATION IN ROMANIA*
Crișan Cătălin

Agenda

Parallel Workshop Sessions

Friday, June 03rd 2011	8.30 - 10.00
Workshop Research-Entrepreneur <i>Anca Drăghici</i> <i>(Room Banatului 12)</i>	

Friday, June 03rd 2011	10.30 - 12.00
Workshop Intellectual Property reflected in the Education Law, no. 1/2011 <i>Mihail Tițu</i> <i>(Room IM 407)</i>	

Friday, June 03rd 2011	10.30 - 12.00
Workshop Comunication Through Symbols <i>Dorothy Frazer</i> <i>Daniel Mara</i> <i>(Room Banatului 12)</i>	

Friday, June 03rd 2011	10.30 - 12.00
Workshop Product Lifecycle Management <i>Livia Dana Beju</i> <i>Paul Dan Brîndașu</i> <i>(Room Banatului 11)</i>	

Friday, June 03rd 2011

12.00 - 14.00

Session B2

Room IM 407

ACADEMIC MANAGEMENT

Chairmen:

Claudiu Kifor

Carmen Simion

1. *A CASE STUDY ON IMPROVING THE PROJECT MANAGEMENT IN EU FINANCED PROJECTS AT THE „LUCIAN BLAGA UNIVERSITY” OF SIBIU*
Pascu V. Radu, Zerbes V. Mihai, Popescu G. Liliana and Moțoc Vasile
2. *STRATEGIC MANAGEMENT ASPECTS IN UNIVERSITY ENVIRONMENT*
Buzoianu Daniela
3. *THE ROLE OF RESEARCH IN THE IMPROVING HIGHER EDUCATION QUALITY: A STRATEGIC APPROACH*
Militaru Gheorghe

Agenda

Friday, June 03rd 2011

12.00 - 14.00

Session D4

Room IM 201

**DESIGN, MANUFACTURING AND MANAGEMENT OF
TECHNOLOGICAL EQUIPMENT AND SYSTEMS**

Chairmen:

Eugen Străjescu

Niculae Marinescu

Ioan Bârsan

1. *MACHINE TOOLS TURNS TO LINIAR MOTORS INSTEAD BALL SCREW*
Velicu Ștefan, Mihai Lucian and Velicu Alexandru
2. *A 3D METHOD FOR PROFILING THE SHAPING TOOL FOR GENERATION OF THE HELICAL SURFACES*
Berbinschi Silviu, Teodor Virgil and Oancea Nicolae
3. *OPTIMIZATION THE RELIABILITY TESTING USING PRODUCT LIFECYCLE AND COST MANAGEMENT*
ZAHARIA SEBASTIAN MARIAN, MARTINESCU IONEL AND MORARIU CRISTIN OLIMPIU
4. *ANALYZING ACCELERATED LIFE TESTING WITH CENSORED DATA*
Zaharia Sebastian Marian, Martinescu Ionel and Morariu Cristin Olimpiu

Friday, June 03rd 2011

12.00 - 14.00

Session E2

Room IM 222

E-LEARNING, E-DESIGN, E-RESEARCH

Chairmen:

Sorin Borza

Marius Cioca

1. *ELEARNING IN PRIMARY SCHOOL*
Sămărescu Nicoleta
2. *USING NEW TEACHING METHODS FOR CAG (COMPUTER AIDED GRAPHICS) CLASSES*
Șerban Raul and Călin Oana Andreea
3. *DYNAMIC GENERATED PAGES IN CAM SYSTEMS EDUCATION*
Stroka Roman

Agenda

Friday, June 03rd 2011**12.00 - 14.00****Sessions F2****Room IM 202****ENGINEERING ON OIL AND GAS FIELD AND MINES****Chairmen:****Dan Paul Ștefănescu****Valentin Petrescu**

1. *HYDRAULIC PROPS OF POWERED ROOF SUPPORTS AS SAFETY FACE ELEMENTS*
Vătavu Sorin
2. *A SYSTEM FOR MONITORING THE EFFLUENT'S QUALITY OF AN INDUSTRIAL WASTEWATER TREATMENT PLANT*
Cărbureanu Mădălina
3. *SIMULATORS USED FOR TREATMENT PROCESSES MODELLING*
Cărbureanu Mădălina

17:00	Theater Representation
18:30	Closing Ceremony
19:00	Meet Colleagues at Apfel Haus Restaurant

Saturday, June 04th, 2011

09:00	Visiting the Museum of History Theater Representation
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