

The 4th edition of the

Interdisciplinarity in Engineering

International Conference



CONFERENCE PROGRAM

"Petru Maior" University of Tg. Mureş
Faculty of Engineering
www.inter-eng.upm.ro

12-13 November 2009 Tg. Mureş, România



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Program Summary

Date	Wednesday	Thursday	Friday
Time	November 11	November 12	November 13
09:00-		Registration/Information	Registration/Information
10:00		Desk	Desk
		Room A102	Room A102
10:00-		Opening Ceremony	Technical Sessions
10:30		Room Aula Magna	- E&PE, <i>Room A210</i>
10:30-		Dlanary Cassion	- CSE, <i>Room A310</i>
12:00		Plenary Session	- IT&C, <i>Room A316</i>
12:00		Room Aula Magna	- M&TE, <i>Room A308</i>
12:00-		Lunch	Lunch
14:00		Continental Restaurant	Continental Restaurant
14:00-		Technical Sessions	
16:00		- E&PE, <i>Room A210</i>	
		- CSE, <i>Room A310</i>	
		- IT&C, <i>Room A316</i>	
		- M&TE, <i>Room A308</i>	
		- M&R, <i>Room A208</i>	
		- M&EE, <i>Room A309</i>	
16:00-		Coffee Break	
16:30		Cafeteria UPM	
16:30-	Registration/	Technical Sessions	
18:30	Information	- E&PE, <i>Room A210</i>	
	Desk	- CSE, <i>Room A310</i>	
	Room A102	- IT&C, <i>Room A316</i>	
		- M&TE, <i>Room A308</i>	
		- M&EE, <i>Room A309</i>	
		- EE, <i>Room A208</i>	
19:00-		Gala Dinner	
23:00		Europa Restaurant	



Opening Ceremony Thursday, November 12, 10:00-10:30 Aula Magna

Welcome Addresses:

Marius PAŞCAN – Mures County Prefect
Dorin FLOREA – Tg.Mureş City Mayor
LOKODI Emoke Edita – Chairman of Mures County Council
Prof.dr.ing. Liviu MARIAN – Rector of "Petru Maior" University of Târgu Mureş
Prof.dr.ing. Vasile BOLOŞ – Prorector of "Petru Maior" University of Târgu Mureş
Prof.dr. Cornel SIGMIREAN – General Cancelar of "Petru Maior" University of
Târgu Mureş
Conf.dr.ing. Mircea DULĂU – Dean of the Faculty of Engineering of the "Petru
Maior" University of Târgu Mures

Plenary Session Thursday, November 12, 10:30-12:00 Aula Magna

Facts and Perspectives in Faculty of Engineering Task Mircea DULĂU, Faculty of Engineering, Dean

The Next Generation of Applications: Multi-Agent Systems on the Semantic Web Miklos NAGY, The Open University, United Kingdom

Segments of New Management Philosophy Johan KOCHER, General Manager of Dr. KÖCHER GmbH Fulda, Germany

Social Function of Industrial Design: Today and Tomorrow Dan-Horia CHINDA, Professor, DHC Creative, Miami, Florida USA



Electrical & Power Engineering (E&PE)

E&PE – Room A210 Thursday, November 12, 14:00-16:00

Session chairs:

Mihai Gavrilaş, "Gheorghe Asachi" Technical University of Iaşi, Romania Mikho Mikhov, Technical University of Sofia, Bulgaria

14:00-14:15 – **Day-Ahead Load Forecasting Using Exponential Smoothing** Radu Bindiu, Mircea Chindris, Gabriel Vasile Pop

14:15-14:30 – Power Capability in Low Voltage DC Distribution Systems Călin-Octavian Gecan, Mircea Chindris, Radu Bindiu

14:30-14:45 – Economical Implications Regarding the Operation of Power Transformers in Harmonic Polluted Power Systems

Gabriel Vasile Pop, Mircea Chindriş, Călin Octavian Gecan

 $14\!:\!45\text{-}15\!:\!00$ — Determination of the Power Transformer Efficiency Monitoring the Electrical Insulation Parameters

Adrian Munteanu, Lucian Iulian

 $15:00\text{-}15:15-\textbf{Some Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion State in Electric Energy Repartition} \\ \textbf{Aspects of the Distortion Public Networks} \\ \textbf{Aspects of the Distortion Public Networks} \\ \textbf{Aspect of the Distortion Public Networks} \\ \textbf{Aspe$

Gheorghe Georgescu, Bogdan Neagu

15:15-15:30 - Posibilities of Optimal Power Flow in Public Repartition and Distribution Systems of Electric Energy

Gheorghe Georgescu, Bogdan Neagu

15:30-15:45 – The Power Quality Impact of Electronic Equipment Use in Office Buildings

Horațiu-Călin Albu, Florin Pop

 $15{:}45{-}16{:}00$ — Analysis of Saturation Effects on the Operation of Magnetic-Controlled Switcher Type FCL

Faramarz Faghihi, Homa Arab



E&PE – Room A210 Thursday, November 12, 16:30-18:45

Session chairs:

Mircea Chindris, Technical University of Cluj – Napoca, Romania Vasile Dub, "Petru Maior" University of Târgu Mures, Romania

16:30-16:45-A Multifunctional Two-Coordinate Drive System with Hybrid Stepping Motors

Mikho Mikhov, Panayot Nakov, Georgi Mitrinski, Mladen Stoev

16:45-17:00- Reliability Improvement Methods and Their Effects on Voltage Sag Incidence Rate in Distribution Networks

Hajar Abdi, Alireza Ghods, Azad Amiry

17:00-17:15 – REI Equivalents With Synchrophasor Measurements

Mihai Gavrilaş, Gilda Gavrilaş, Ovidiu İvanov

17:15-17:30 – Improved WLS Estimation in Large Systems Using Genetic Algorithms

Ovidiu Ivanov, Mihai Gavrilaş

 $17:30\text{-}17:45-\textbf{Calculation Program for the Theoretical Study of the Performances} \\ \text{of the Steam Condenser Of The 330 MW Turbine} \\$

Ovidiu Săftoiu, Mihai Nagi

17:45-18:00 - Optimization of Reliability Centered Maintenance (RCM) Based on Renewal Processes

Dorin Sarchiz, Daniel Bucur, Dorin Bică

18:00-18:15 — Bipolar Hybrid Stepper Motor Control and Drive with Dedicated Ics L297 + L298

Zsolt Albert Barabas, Alexandru Morar

 $18{:}15{-}18{:}30-\mbox{Microstepping Test Board with LMD18245 Specialized Circuit for Bipolar Stepper Motor}$

Zsolt Albert Barabas, Alexandru Morar



18:30-18:45 – **Optimization of Reliability Electric Supply of a Hospital** Daniel Bucur, Dorin Sarchiz, Dorin Bică

E&PE – Room A210 Friday, November 13, 10:00-12:15

Session chairs:

Lucian Iulian, Transilvania University of Braşov, Romania Dorin Bică, "Petru Maior" University of Târgu Mureș, Romania

10:00-10:15 – Four Quadrant Chopper Drive with Specialized Integrated Circuits Alexandru Morar

10:15-10:30 – **Power Distribution Networks' Graph Optimization** Dorin Sarchiz, Vasile Dub

10:30-10:45 – **Middle Voltage Distribution Systems and Scale-Free Networks** Vasile Dub, Sarchiz Dorin

10:45-11:00 – Four Phases Driver for Stepper Motor Control Ionut Silviu Luca, Alexandru Morar

11:00-11:15-Power Quality Disturbance and Power Flow Analysis in a Hybrid Renewable Energy System Using Matlab

Adrian Gligor, Cristian Dragoş Dumitru, Horațiu Grif

11:15-11:30-Constructive and Functional Improvements of the Electromagnetic Reciprocating Machines (EMRM)

Gheorghe Remus Codoiu

11:30-11:45 – **New Polarized Solenoid Type Electromagnetic Hammers** Gheorghe Remus Codoiu

11:45-12:00 – **Modeling of Renewable Hybrid Energy Sources** Cristian Dragoş Dumitru, Adrian Gligor

12:00-12:15 – Current Trends and Challenges in Power Engineering Education Dorin Bică, Daniel Bucur, Arina Modrea



Control Systems Engineering (CSE)

CSE – Room A310 Thursday, November 12, 14:00-16:00

Session chairs:

Vasile Comnac, Transilvania University of Brasov, Romania Mircea Dulău, "Petru Maior" University of Târgu Mures, Romania

14:00-14:15 – Sensorless State-Space Control of Elastic Two-Inertia Drive System Using a Minimum State Order Observer

Vasile Comnac, Simona Coman, Cristian Boldisor, Anca Acreala

14:15-14:30 – **Networked Control Systems for DC Electrical Drives** Simona Coman, Vasile Comnac, Cristian Boldisor

14:30-14:45-Influence of Variable Time Delay on the Performances of Networked Control Systems

Anca Acreala, Cristian Boldisor, Vasile Comnac

14:45-15:00-Rule-Bases Construction Through Self-Learning for a Table-Based Sugeno-Takagi Fuzzy Logic Control System

Cristian Boldisor, Vasile Comnac, Simona Coman, Anca Acreala

15:00-15:15 – **Numerical Structures for Slow Processes Control** Mircea Dulau, Stelian Oltean, Adrian Gligor, Titus Jovrea

15:15-15:30 – **Automation Solutions for Thermal Systems** Mircea Dulau, Irfan Gultekin, Murat Kulustepe, Stelian Oltean

15: 30-15: 45-Minimum Variance Adaptive Control of Reactive Sputtering Process

Katalin Gyorgy

15:45-16:00 – **SCADA Architecture for Natural Gas Plant** Traian Turc, Horatiu Grif



CSE – Room A310 Thursday, November 12, 16:30-18:30

Session chairs:

Florin Moldoveanu, Transilvania University of Braşov, Romania Alexandru Morar, "Petru Maior" University of Târgu Mures, Romania

16:30-16:45 — **Intelligent Servo Drives Control of an Articulated Arm Robot** Dan Puiu. Florin Moldoveanu

16:45-17:00 – **Mobile Robot Position Estimation Using the Kalman Filter** Caius Suliman, Cristina Cruceru, Florin Moldoveanu

17:00-17:15 – Focusing and Deflecting Systems Modelling and Simulation of the CTW 5/60 Electron Beam Equipment
Stelian Emilian Oltean, Mircea Dulau

17:15-17:30-Intelligent Microstepping System for Bipolar Stepper Motor Control with Step and Direction Interface

Alexandru Morar

17:30-17:45 - Neural Daylight Control System With On-Line Inverse Process Modeling

Horatiu-Stefan Grif

17:45-18:00 – **Fuzzy daylight control system** Horatiu-Stefan Grif

 $18\!:\!00\text{-}18\!:\!15-$ Modeling and Simulation of Renewable Hybrid Energy Sources Using Matlab Environment

Cristian Dragos Dumitru, Adrian Gligor, Adrian-Vasile Duka

18:15-18:30-Monitoring and Control by Virtual Tools of an Educational Renewable Energy System

Adrian Gligor, Cristian Dragos Dumitru, Traian Turc



CSE – Room A310 Friday, November 13, 10:00-11:30

Session chairs:

Alexandru Morar, "Petru Maior" University of Târgu Mures, Romania Zoltan German-Sallo, "Petru Maior" University of Târgu Mures, Romania

10:00--10:15-FIR Filter Synthesis for Discrete Wavelet Transform Implementation

Zoltan German-Sallo, Janos Szalai

10:15-10:30 – **ECG Signal Interpretation Using Multiresolution Analysis** Zoltan German-Sallo, Marta German-Sallo

10:30-10:45 – **Stepper Motor Model for Dynamic Simulation** Zsolt Albert Barabas, Alexandru Morar

 $10{:}45\hbox{-}11{:}00$ – DC Motor Speed and Position Control System Connects Directly To Microcomputer Chips

Ionut Silviu Luca, Alexandru Morar

11:00-11:15 – **Microcontroller Base Process Emulator** Titus Claudiu Joyrea

11:15-11:30 – Sinusoidal Output Switching Power Supply Titus Claudiu Joyrea



IT&C Applications in Engineering (IT&C)

IT&C – Room A316 Thursday, November 12, 14:00-16:00

Session chair:

Piroska Haller, "Petru Maior" University of Târgu Mureş, Romania

14:00-14:15 – Security Protocol Composition for Web Services Bela Genge, Piroska Haller

14:15-14:30 – **Multimedia Streaming Platform Based On Components** Ovidiu Ratoi, Piroska Haller, Bela Genge

14:30-14:45 – **Project Monitoring and Control Using Burn Down Charts** Attila Vajda

14:45-15:00 — Development of EXAMBREV Integrated System for Patent Application

Tamas Vajda, Jozsef Domokos, Sandor Tihamer Brassai, Laszlo David, Attilla Aszalos

15:00-15:15-Formal Verification and Implementation of Real-Time Applications

Liviu Hategan, Piroska Haller

15:15-15:30 – A Data-Oriented Approach for Application Development Marius Muji

15:30-15:45 – **Gas Plant SCADA Software Application** Traian Turc, Adrian Gligor

15:45-16:00 – Translating English Technical Texts: The Role of the Translator and the Challenges of Technological Facilities

Dana Rus



IT&C – Room A316 Thursday, November 12, 16:30-18:45

Session chairs:

Miklos Nagy, The Open University, Knowledge Media Institute, UK Calin Enachescu, "Petru Maior" University of Târgu Mureş, Romania

 $16:30\hbox{-}16:45-\textbf{Mouse Controlled by Hand Gestures Using Digital Image Processing}$

Florin Ioan Bardosi, Horatiu Stefan Grif, Ovidiu Ratoi

16:45-17:00 – **Handwritten Digits Recognition Using Neural Computing** Calin Enachescu, Cristian-Dumitru Miron

17:00-17:15 – Fuzzy Clustering in an Intelligent Agent for Diagnosis Establishment

Vlad Zdrenghea, Diana Ofelia Man, Maria Tosa-Abrudan

17:15-17:30 – **Behavior Recognition Using Template Matching** Tamas Vajda

17:30-17:45 – First Results of an Evolutionary Approach for the Entity Refactoring Set Selection Problem

Camelia Chisalita-Cretu

17:45-18:00-Reasoning Representation and Visualisation Framework for Ontology Mapping Using 3D modeling

Miklos Nagy, Maria Vargas-Vera

18:00-18:15 – Generations Problems and Constraint Programming in choco Radu Boriga

18:15-18:30 – **The Nature of Geospatial Image Processing** Nidelea Marinela. Dascalescu Ana Cristina

18:30-18:45 – One Networks Robustness Approach for Natural Language Texts' Automatic Taxonomy

Vasile Dub



IT&C – Room A316 Friday, November 13, 10:00-12:00

Session chairs:

Adrian Petrescu, "Petru Maior" University of Târgu Mureş, Romania Bela Finta, "Petru Maior" University of Târgu Mures, Romania

10:00-10:15 – **A 3-Quasigroup Stream Cipher** Adrian Petrescu

10:15-10:30 – A Novel Method for Generating Encryption Keys Dascalescu Ana Cristina, Nidelea Marinela

10:30-10:45 – Expansion of the Notions of Normed Algebras to Locally Multiplicatively Convex Algebras
Diana Marginean, Nicola Oprea

10:45-11:00 – **Overdetermined Infinite Linear Systems (II)** Bela Finta

11:00-11:15 – Using Graph Theory to Solve the Trains Time-Table Problem Ion Cozac

11:15-11:30 – Numerical Solutions of First Order Iterative Functional-Differential Equations By Spline Functions of Even Degree Nicola Oprea

 $11:\!30\text{-}11:\!45$ – The Elements with Bounded Numerical Range from Locally m-convex Algebras

Diana Marginean Petrovai, Arina Modrea

 $11{:}45{-}12{:}00$ — Spline Approximation Solution for the Delay Differential Equation Nicola Oprea



Mechanical & Technological Engineering (M&TE)

M&TE – Room A308 Thursday, November 12, 14:00-16:00

Session chairs:

Laurențiu Slătineanu, "Gheorghe Asachi" Technical University of Iași, Romania Lucian Grama, "Petru Maior" University of Târgu Mureș, Romania

14:00-14:15-CAD Facilities Used for Design of Parts of Plastics Injection Machines

Lucian Grama, Virgilius Vasilache, Monica Vasilache

14:15-14:30 – Evaluation of the Electroconductive Materials Machinability By Electrical Discharge Erosion

Laurențiu Slătineanu, Oana Dodun, Margareta Coteață, Dumitru Uliuliuc, Nicolae Pop

14:30-14:45 – Microhardness of Ti-Al-Si-N Coatings Deposited by DC Reactive Magnetron Sputtering

Gabriela Strnad, Dominic Biro, Ioan Vida-Simiti

 $14\!:\!45\text{-}15\!:\!00$ – Optimization of the Injection Process for a Plate Part Using Mold Flow Soft

Aurelian Flavius Ardelean

15:00-15:15 — Comparative Evaluation of On-Road Tests Conducted on a Si Engine to Run on Compressed Natural Gas

Rajesh C. Iyer, S. A Channiwala, T. R Seetharam

15:15-15:30 – Effect of N Concentration on Microstructure Evolution of the Nanostructured (Al, Ti, Si)N Coatings Prepared by d.c. Reactive Magnetron Sputtering

Laszlo Jakab-Fakas, Sandor Papp, Dominic Biro

 $15:30\text{-}15:45-\textbf{Study On The Possibilities of Dedicated CAD Applications} \\ \textbf{Development for the Furniture Industry}$

Ioan Mocian, Răzvan Cazacu



$15{:}45{-}16{:}00$ – An Application of the Vibrations Suppression Compensator Design For 3-DOF Systems

Lucian Grama, Marius Sebastian Rusu

M&TE – Room A308 Thursday, November 12, 16:30-18:45

Session chairs:

Ligia Cristina Brezeanu, "Petru Maior" University of Târgu Mureş, Romania Alexandru Pozdârcă, "Petru Maior" University of Târgu Mureş, Romania

16:30-16:45 – A Cam Profile Determination Using Enveloping Method Alexandru Pozdîrcă

 $16{:}45{-}17{:}00$ — About the Flexibility Increasing of Flexible Cells Using Modular Fixture System

Rareş Pancu, Moldovan Ovidiu, Macedon Ganea

17:00-17:15-AWPC Function Assisted by Robot at the Flexible Cells for Prismatical Parts

Rareş Pancu, Moldovan Ovidiu, Macedon Ganea

17:15-17:30-Tooth's Tensions Analysis of Face Worm Gears With Cylindrical Pinion Development of Fea

Ion Gavrilă

17:30-17:45-Stiffness Evaluation of Advanced Composite Laminates Under Off-Axis Loading Systems

Arina Modrea, Dorin Bică

17:45-18:00 – **FEM Modelling and Analysis of the Assembly "SRM Slide"** Ligia Cristina Brezeanu, Alexandru Pozdîrcă

18:00-18:15-Biomechanical Application - Parametric Modeling and Transfer for FEM Analysis

Ligia Cristina Brezeanu, Cristina Bică



18:15-18:30-Perforations Optimization on Corrugated Board Boxes--Case Study

Nadina Neidoni, Vasile Bolos, M.I. Buzdugan

18:30-18:45—**Some Aspects About the Use of Ecological Materials in Construction** Petruta Blaga, Codruta Bolos

M&TE – Room A308 Friday, November 13, 10:00-11:30

Session chairs:

Teodor Socaciu, "Petru Maior" University of Târgu Mureş, Romania Cosmin Petra, "Petru Maior" University of Târgu Mureş, Romania

10:00-10:15 – New Experimental Research Concerning the Improvement of Energetic Parameters in the Extrusion Using the Friction Forces as Active Forces Teodor Socaciu, Liviu Dorin Pop

 $10{:}15{-}10{:}30-$ Spiroplane Gears and Their Role in the Building Process of Gearmotors

Claudiu Ioan Boanta

 $10{:}30{\cdot}10{:}45$ — The posibility and usage of spiroid gears in vehicle drive axle construction

Ioan Dănuț Silvaș

 $10{:}45{-}11{:}00-$ Computer Aided Analysis of Cylindrical Gears Geometry With Modified Profile

Cosmin Petra

11:00-11:15 – **Biomechanic Study about Lateral Ankle Laxity** Bogdan Voicu, Remus Opris

11:15-11:30-Three Dimensional Modeling of Lumbar Column and Spinal Implants

Remus Opris, L. Gruionu, B. Voicu

11:30-11:45 – **Industrial Design and Ecological Balance** Dan-Horia Chinda



Mechatronics & Robotics (M&R)

M&R – Room A208 Thursday, November 12, 14:00-16:00

Session chairs:

Ionel Starețu, Transilvania University of Braşov, Romania Sergiu Berian, Baptist Highschool "Emanuel" of Oradea, Romania

14:00-14:15 – Interface for Manipulation of the 3D Virtual Objects in the Training Activities to Disciplines of Applied Mechanics Ionel Staretu, Cristian Dudulean, Florin Girbacia

14:15-14:30 — The Design and Implementation of a 2-DOF Motion Tracking Mechatronic System

Andrei Florin Borca, Marius Sebastian Rusu

14:30-14:45 – Aspects Regarding the Design of a Simple Didactic Stepper Motors Based SCARA Robot

Ovidu Virgil Suciu, Marius Sebastian Rusu

14:45-15:00-Multimode Vibrations Suppression Compensator Design for Flexible Mechatronic Systems

Marius Sebastian Rusu, Lucian Grama

15:00-15:15 – The Trans-Thematic Identity of Mechatronics Sergiu Berian, Vistrian Măties

15:15-15:30 – The Design of the Vibrations Suppression Compensator for a Closed-Loop DC Motor Based System

Marius Sebastian Rusu, Lucian Grama

15:30-15:45 – Research for Developing a Nitinol Linear Actuator Using a Two-Way Shape Memory Process

Teodor Socaciu, Mihai Simon

15:45-16:00-Research Regarding CNC Retrofits of Older Manual Milling Machine Tools

Mihai Simon, Dumitru Şoaită



Environmental Engineering (EE)

EE – Room A208 Thursday, November 12, 16:30-18:45

Session chairs:

Lucian Bârsan, Transilvania University of Braşov, Romania Nicolae Chirilă, "Petru Maior" University of Târgu Mures, Romania

16:30-16:45 – Investigation Regarding Water Depollution Using IC14D Installation
Nicolae Chirilă

16:45-17:00-Investigation Regarding Obtaining Demineralization Water Using IC46D Installation

Nicolae Chirilă

17:00-17:15 – Comparative Determination of Nitrate Ion Using Spectrophotometer And Chromatographic Methods Florin Lupeiu, Nicolae Chirilă

17:15-17:30 – **Methods For Monitoring VOCs - Flame Ionization Detector** Florin Lupeiu, Nicolae Chirilă

17:30-17:45 – **Promoting the Production of Electric Energy From Wind Energy** Florica Morar, Costel Gheorghe Dane

 $17{:}45{-}18{:}00$ – The Efficient Use of the Productive Potential of Technical Plant Cultures With the Purpose of Providing an Alternative Energetic Fuel Source Florica Morar

18:00-18:15-Considerations about Reducing the Environmental Impact in the Product Using Stage

Lucian Bârsan, Anca Bârsan, Maria Paralika

18:15-18:30 — The Specific Methods Use for Identifying Environmental Effects and Impacts

Cosmin Petra



18:30-18:45- Harmonisation of the Romanian Legislation with the EU Aquis in the Environment Protection

Mihaela Pop

Management & Economics Engineering (M&EE)

M&EE – Room A309 Thursday, November 12, 14:00-15:30

Session chairs:

Constantin Militaru, Polytechnic University of Bucharest, Romania Liviu Moldovan, "Petru Maior" University of Târgu Mureș, Romania

14:00-14:15-Quality Culture-An Important Factor in Quality Assurance in Higher Education

Raluca Fărcaș, Sorina Moica

14:15-14:30 – 7S's System Foundation of Total Productive Maintenance House for Lean Organization

Daniel Georgescu, Constantin Militaru

14:30-14:45 – Mathematical Statistics Method in a Quality Risk Management Gábor Dimény

14:45-15:00 — Taguchi Experiment to Establish the Process Parameters for Die Cast Aluminum Parts

Sorina Moica, Raluca Fărcaș, Paula Monica Năsălean

15:00-15:15- Study on the Need to Increase the Quality of the Services Sector in Romania

Mioara Pop-Florea, Emilia Herman

15:15-15:30 – Computer Aided Administration of the Budget of a State Institution

Ioan Mocian, Răzvan Cazacu



M&EE – Room A309 Thursday, November 12, 16:30-18:45

Session chairs:

Felicia Pop, Contab Lex Audit Company, Romania Ioan Mocian, "Petru Maior" University of Târgu Mures, Romania

16:30-16:45 – **Projects from the Center Region Financed from Structural Funds** Felicia Pop, Adriana Tatiana Suciu

16:45-17:00 – **Evaluation of Projects Funded from Structural Funds** Felicia Pop, Adriana Tatiana Suciu

17:00-17:15 – Development of Innovative Tools and Models for Vocational Education and Training in Central and Western Romania
Liviu Moldovan

17:15-17:30-Sustainable Development and Envised Impact of The Move-It Project

Liviu Moldovan

17:30-17:45 – Change Management in Romanian Rail Way Petruṭa Blaga

17:45-18:00 – **How to Make an Effective Strategy for a Complex Sale** Calin Sarchiz

18:00-18:15 — Blue Ocean Strategy — Reaching Customers Beyond Your Market Boundaries

Calin Sarchiz

18:15-18:30 – Professional Performance, Attribute of Work Place Stability Emil Nutiu

18:30-18:45 — Enterprise Evaluation in the Field of Constructions in the Crisis Emil Nutiu







