



The 11th International Conference

INTER-ENG 2017

Interdisciplinarity in Engineering



2017

CONFERENCE PROGRAM

„Petru Maior” University of Tîrgu Mureș
Faculty of Engineering
www.inter-eng.upm.ro

5 - 6 October 2017
Tîrgu Mureș, România

Committees

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Hansotto DROTLOFF

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András KELEMEN

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Abdelazim NEGM

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Ionuţ MUNTEAN

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President of Local Organizing Committee, Dean of the Faculty of Engineering,
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Szidónia LEFKOVITS

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Opening Ceremony

Thursday, October 5th; 9:30 – 10:00

Aula Magna, „Petru Maior” University of Tîrgu Mureş

Welcome Addresses:

Prof. dr. Călin ENĂCHESCU - Rector of „Petru Maior” University of Tîrgu Mureş

Prof. dr. eng. Liviu MOLDOVAN - Vice-rector of „Petru Maior” University of Tîrgu Mureş

Assoc. prof. dr. eng. Mircea DULĂU - Dean of the Faculty of Engineering, „Petru Maior”
University of Tîrgu Mureş

Plenary Session

Thursday, October 5th; 10:00 – 11:15

Aula Magna, „Petru Maior” University of Tîrgu Mureş

Employing Infrared Technology in Medical Applications

Prof. dr. eng. Khalil Khalili – University of Birjand, Mechanical Engineering Department, Iran

Business Model Innovation through Industry 4.0

Dr. Jaione Ganzarain – Faculty of Engineering, Mondragon University, Bilbao, Spain

Coffee Break

Thursday, October 5th; 11:15 – 11:30

Plenary Session

Thursday, October 5th; 11:30 – 12:45

Location: Aula Magna, „Petru Maior” University of Tîrgu Mureş

Greening the Environment: Integrating Technologies for Removal of Contaminants Present in Landfill Leachates

Dr. Mahmoud Abdel Daiem – Environmental Engineering Department, Faculty of Engineering, Zagazig University, Egypt

Educators and Professors for the Sustainable Development Era

Prof. dr. eng. Abdelazim M. Negm – Zagazig University Crisis and Disaster Center, Egypt

Conference Break - Lunch

Thursday, October 5th; 13:00 - 14:00

Continental Hotel Restaurant

Parallel Sessions

Thursday, October 5th; 14:00 – 19:30

Location: Hotel Continental Conference Rooms

Gala dinner

Thursday, October 5th; 19:30

Location: Hotel Continental Restaurant

Plenary and Oral Session

Friday, October 6th; 10:00 – 12:30

Location: Hotel Continental Grigorescu Conference Room

Efficiency Analysis of Concept Lattice Algorithms

Dr. habil. László Kovács – University of Miskolc, Department of Information Technology, Hungary

Innovation in Alcorta Forging Group: Example in Automotive Industry

Juan Pedro Arruebarrena – Technical Manager in Alcorta Forging Group, Spain

Virtual Panel Sessions

Friday, October 6th; 14:00 – 18:00

Location: L11, L14 Rooms, „Petru Maior” University of Tîrgu Mureş

Closing Ceremony, Lunch, Social and Cultural Event

Friday, October 6th; 12:30

Location: Hotel Continental Grigorescu Conference Room

Advanced Manufacturing Technologies and Materials
Hotel Continental Tonitza Conference Hall
Thursday, October 5th 2017; 14:00 – 16:30, 16:45 – 19:15

Session chairs:

Gabriela Strnad – “Petru Maior” University of Tîrgu Mureş, Romania
Tünde Kovács – Óbuda University, Hungary
Dana-Adriana Iluţiu-Varvara – Technical University of Cluj-Napoca, Romania

Advanced High-Density Polyethylene Used in Pipelines Networks

Horatiu Teodorescu-Draghicescu, Daniel Scarlatescu, Sorin Vlase, Maria Luminita Scutaru, Cristian Nastac

An Advanced High Rigidity Thin Sandwich Composite Laminate with COREMAT and Dissimilar Skins

Maria Luminita Scutaru, Mircea Mihalcica, Arina Modrea, Ramona Purcarea, Daniel Scarlatescu, Ramona Purcarea

Effect of Potential Ramp in the Potentiodynamic Stage of Anodization on Morphology of Nanostructured TiO₂ Developed on Ti6Al4V Alloy

Gabriela Strnad, Zoltan German-Sallo, Laszlo Jakab-Farkas, Paul Razvan Cazacu, Diana Portan

Optical Analysis of the Reaction Chamber for the Eliade Array

Sorin Vlase, Paul Nicolae Borza, Maria Luminita Scutaru, Mihaela Ioana Baritz, Gabriel Suliman, Cristian Petcu, Marius Ghitescu, Arina Modrea

Assessment of Recycling Potential of the Oily Mill Scale in the Steelmaking Industry

Dana - Adriana Iluţiu - Varvara, Claudiu Aciu, Carmen - Maria Marza, Ioana - Monica Sas - Boca, Marius Tintelecan

Developing a Methodology for Calculating the Working Angles of Cutting Tools with Replaceable Cutting Inserts

Evstati Lefterov, Tanya Avramova

Associated Elements for Assessment the Deviation of Cylindrical Surfaces Form

Pavlina Toteva-Lyutova, Dimka Vasileva

Researches to Production of a New Type of Extruder Used in Additive Manufacturing, FDM Technology

Sorin Cristian Albu

Innovative Tools for Oblique Cutting

Tadeusz Mikołajczyk, Tomasz Paczkowski, Tomasz Szyuka, Hubert Latos, Danil Yu. Pimenov

Profiling Disk Tool for Generating Female Rotor Screw Compressor Component by Meaning of Graphical Method

Camelia Lacramioara Popa, Viorel Popa

Laser Welding Process Specification Base on Welding Theories

Tünde Kovács

The Effect of Multidirectional Vibration on Electrochemical Machining

Tomasz Paczkowski, Adam Troszyński

Implementation of CAD/CAM System to Manufacturing of Innovative Cutting Tool

Tadeusz Mikołajczyk, Tomasz Paczkowski, Tomasz Szyuka, Hubert Latos, Danil Yu. Pimenov

Investigation of Radial Modal Behaviour Using Finite Element Analysis for Truck Tyres without Road Contact

Alexandra-Raluca Moisescu, Gabriel Anghelache, Gabriel Cristea

Influence of Tire Inflation Pressure on the Results of Diagnosing Brakes and Suspension

Marius Toma, Cristian Andreescu, Cornelia Stan

Selection of Machining Parameters with Android Application Made Using MIT App Inventor Bookmarks

Tadeusz Mikołajczyk, Maciej Matuszewski, Hu Fuwen, Liviu Moldovan, Andres Bustillo, Krzysztof Nowicki

Reverse Engineering in FEM Analysis of the Behavior of Lignocelluloses Materials Subjected to Cyclic Stresses

Mariana Domnica Stanciu, Amalia Ardeleanu, Horatiu Teodorescu-Draghicescu

Control of the Research Stand for Electrochemical Machining

Jaroslaw Zdrojewski, Tomasz Paczkowski

Reducing Production Costs by Monitoring the Roughness of Raw Product Surfaces

József Boér, Petruța Blaga

Experimental Methods for Determining Compliant Mechanisms Microdisplacements

Daniel Lates

Innovative Technologies, Design and Materials in Civil Engineering

Hotel Continental Luchian Conference Hall

Thursday, October 5th 2017; 14:00 – 16:30, 16:45 – 19:15

Session chairs:

Claudiu Aciu – Technical University of Cluj-Napoca, Romania

Abdelazim M. Negm – Zagazig University, Egipt

Răzvan Cazacu – “Petru Maior” University of Tîrgu Mureş Romania

Flexure Behavior of a Hybrid Reinforced Concrete Beam. Strain Correlation Between Mechanical Gauges and Optical Measurement

Cristian Butean, Bogdan Heghes

Determination of Optimal Dimensions of Fixed Shadowing Systems (Pergolas) to Reduce Energy Consumption in Buildings in Romania

Florin Babota, Daniela Lucia Manea, Claudiu Aciu, Constantin Munteanu, Nicoleta Cobârzan, Daniela Roxana Tămaş-Gavrea

System Analysis And Contributions of the Consolidation Under Exploitation of the Surface Elements

Adina Victorița Lapuște

Calculation Methods and Technological Applications Creating Sustainable Railway Tracks Satisfying the Modern Operational Demands

Szabolcs Attila Köllő, Attila Puskás, Gábor Köllő

Protection to Railway Traffic Noise in The Case of a Multilevel Residential Building from the City of Cluj-Napoca

Constantin Munteanu, Ligia Mihaela Moga, Daniela Roxana Tămaş – Gavrea, Nicoleta Cobârzan, Raluca Chiuzbaian, Raluca Fernea

The Acoustic Properties of the Lecture Hall of the Faculty of Building Services in Cluj-Napoca

Constantin Munteanu, Bogdan Dragos, Ligia Mihaela Moga, Nicoleta Cobârzan, Daniela Roxana Tămaş – Gavrea, Florin Babotă

Study on the Acoustic Rehabilitation of a Church

Daniela-Roxana Tămaş-Gavrea, Constantin Munteanu, Raluca Fernea (Iştoan), Florin Babotă, Ligia-Maria Mureşan

Smoke Ventilation Strategy for a Timber Structure Building

Ruxandra Dârmon, Mircea Suci

Evacuation Strategy Design for a Medium Size Auditorium Using CFD

Ruxandra Dârmon

Proposal for a Small Two-Story Living Room House Based on Air-Quality Monitoring

Răzvan Mircea Nica, Tania Hapurne, Aurora Irina Dumitrascu, Irina Bliuc, Costel Avram

Computation and Analysis of Corrected Thermal Insulation in a Common Dwelling Building in Romania, in Various Thermal Insulation Variants – The Slab Over the Soil

Florin Babota, Ligia Moga

Catastrophic Landslide Stabilization on a Restricted Area through a Combined Solution in Bran, Braşov County

Marius Mantulescu, Ioan Tuns

Impact of Seepage from Open Drains on Groundwater Quality in the Nile Delta Aquifer: A Numerical Simulation

Ismail Abd-Elaty, Hany Abd-Elhamid, Abdelazim Negm

Study of Methods for Simulating Multiphase Construction Materials

Yvette Anna Orban, Daniela Lucia Manea, Claudiu Aciu

Virtual Manufacturing and Mechanical Properties of Synthetic Fiber-Reinforced Mortars

Yvette Anna Orban, Daniela Lucia Manea, Claudiu Aciu, Andrei Mustea

Recycling of Plastic Waste Materials in the Composition of Ecological Mortars

Claudiu Aciu, Daniela Lucia Manea, Yvette Anna Orban, Dana Adriana Ilutiu - Varvara, Florin Babota

Engineering Properties of Concrete with Polystyrene Granules

Costin Andrei Cadere, Marinela Barbuta, Bogdan Rosca, Adrian Alexandru Serbanoiu, Andrei Burlacu, Irina Oancea

Ballast Bed Cleaning and Recycling – Influence on Stability of Continuously Welded Rail Track.

Madalina Ciotlaus, Gavril Kollo

Mix Design of Self-Compacting Concrete with Limestone Filler Versus Fly Ash Addition

Alexandra Coşa, Bogdan Hegheş, Camelia Negruţiu, Zoltan Kiss

Nano Insulation Materials for Application in NZEB

Ligia Moga, Adrian Bucur

Wastes as Aggregate Substitution in Polymer Concrete

Gavril Sosoi, Marinela Barbuta, Adrian Alexandru Serbanoiu, Dan Babor, Andrei Burlacu

The Influence of the Binder and Volcanic Rocks in Natural-Organic Building Materials

Raluca Fernea (Iștoan), Daniela Roxana Tămaș-Gavrea, Daniela Lucia Manea, Luminița Monica Molnar (Pleșa), Constantin Munteanu, Ancuța-Elena Tiuc

X-Ray Diffraction Study on New Organic - Natural Building Materials

Raluca Fernea (Iștoan), Iacob Florea, Daniela Lucia Manea, Petru Pășcuță, Daniela Roxana Tămaș-Gavrea

Education for Sustainable Manufacturing
Hotel Continental Mezanin Conference Hall
Thursday, October 5th 2017; 14:00 – 17:30

Session chairs:

Jaione Ganzarain – Mondragon University, Bilbao, Spain
Sorina Moica – “Petru Maior” University of Tîrgu Mureş

Emotional Problems and Academic Performance of Students in Manufacturing
Vasile Cernat, Liviu Moldovan

Case Study Concerning 5S Method Implementation in an Automotive Company
Cristina Veres (Harea), Liviu Marian, Sorina Moica, Karam Al-Akel

Framework Indicators for European Quality Assurance in VET Towards Environmentally Sustainable Economy
Liviu Moldovan

Promoting Organizational Sustainability and Innovation: An Exploratory Case Study from the Egyptian Chemical Industry
Noha Mostafa, Abdelazim Negm

Business Model Innovation through Industry 4.0: A Review
Dorleta Ibarra, Jaione Ganzarain, Juan Ignacio Igartua

Developing a Model for Mapping an Enterprise or an Economic Environment
Victor Tita, Nicolae Bold, Doru Popescu Anastasiu

The Contribution of Lean Manufacturing Tools to Changeover Time Decrease in the Pharmaceutical Industry. A SMED Project.
Karam Al-Akel, Liviu Marian, Cristina Veres, Radu Horea

New Approaches and Trends in Health Care
Flaviu Moldovan

From Traditional Manufacturing and Automation Systems to Holonic Intelligent Systems
József Papp, Dániel Tokody, Francesco Flammini

The Management of Preventive Control Documents at a Budgetary Institution

Ioan Mocian

Digital Competence and the Safety Awareness Base on the Assessments Results of the Middle East-European Generations

Zoltán Nyikes

Technical vs General Translation Practices and Methods: A Comparative Study

Dana Rus, Elena Harpa

Transport Modes Junction in an Airport

Floriana Cristina Oprea, Vasile Dragu, Anamaria Ilie, Oana Maria Dinu, Ștefan Burciu

The Impact of Social Networks on SMEs' Innovation Potential

Alexandra Ioanid, Dana Deselnicu, Gheorghe Militaru

About the Timing of Replacing Transport Means

Oana Maria Dinu, Vasile Dragu, Ștefan Constantin Burciu, Floriana Cristina Oprea, Eugenia Alina Roman

Greenhouses Automation as an Illustration of Interdisciplinary in the Creation of Technical Innovations

Krasimira Koleva, Pavlina Toteva – Lyutova

Optimization of the Transfer Function Through Handling Productivity Control in Port Container Terminals

Oana Dinu, Eugen Rosca, Vasile Dragu, Mircea Rosca, Anamaria Ilie

Power and Energy Efficiency Technologies
Hotel Continental Grigorescu Conference Hall
Thursday, October 5th 2017; 14:00 – 16:45

Session chairs:

Dorin Bică – “Petru Maior” University of Tîrgu Mureş, Romania
Pavel Atănăsoae – “Ştefan cel Mare” University of Suceava, Romania
Daniel-Cornel Bălan– SDEE Transilvania Sud SA, Romania

Optimization of Generation Cost in a Microgrid

Lucian Ioan Dulau, Dorin Bica

Small Hydropower Plants Optimization for Equipping and Eploatation Software Application

Mircea Grigoriu, Romeo Bica, Marius Popescu

Behavior of Photovoltaic Systems Connected to the Distribution Network. Case Study, Photovoltaic Power Plants in the Distribution Network of the SDEE Mureş Operator

Daniel-Cornel Bălan

Potential Energy from Residual Biomass of Rice Straw and Sewage Sludge in Egypt

Mahmoud Abdeldaiem, Noha Said, Abdelazim Negm

Cost-Benefit Analysis of a Smart Metering System after Implementation

Catalin-Eugen Moldovan, Georgescu Ovidiu, Daniel Balan

An Approach to Photovoltaic Based Power Supply Designing of a Transylvanian Rural Community

Cristian-Dragos Dumitru, Adrian Gligor

Factors Which Influence the Qualification of the Electricity Production in High Efficiency Cogeneration for Biomass Combined Heat and Power Plants

Pavel Atănăsoae, Radu Dumitru Pentiu, Pavel Popescu, Valentin Martin

Experimental Investigations of Laser Ignition Use at Spark Ignition Engine

Bogdan Done

Improving the Energy Efficiency of a Internal Combustion Engine Cogeneration System Using ORC as Bottoming Cycle

Daniel Dragomir

Comparative Aspects Regarding the Determination of the Combustion Efficiency of Different Organic Recyclable Materials

Andreea Bucur, Bogdan Bucur

Some Aspects of the Regeneration of Used Motor Oil

Cornelia Stan, Cristian Andreescu, Marius Toma

Studying the Importance of Heat Transfer Induced Stresses in Convective Drying

Mohsen Heydari, Khalil Khalili, Yousef Ahmadi

Innovative System for Heat Recovery from Used Water in the Building Sector

Andrei Burlacu, Gavril Sosoi, Robert Ștefan Vizitiu, Marinela Bărbuță, Constantin Doru Lăzărescu, Marina Verdeș, Adrian Alexandru Șerbănoiu

Energy Efficient Heat Pipe Heat Exchanger for Waste Heat Recovery in Buildings

Andrei Burlacu, Gavril Sosoi, Robert Ștefan Vizitiu, Marinela Bărbuță, Constantin Doru Lăzărescu, Vasiliță Ciocan, Adrian Alexandru Șerbănoiu

Intelligent Systems and Technologies
Hotel Continental Grigorescu Conference Hall
Thursday, October 5th 2017; 17:00 – 19:30

Session chairs:

Mircea Dulău – “Petru Maior” University of Tîrgu Mureş, Romania
Razvan Andrei Gheorghiu – Politehnica University of Bucharest
Zoltán Germán-Salló – “Petru Maior” University of Tîrgu Mureş, Romania

Strategies for Monitoring and Control with Seam Tracking in Electron Beam Welding
Stelian-Emilian Oltean

Signal Processing Methods in Fault Detection in Manufacturing Systems
Zoltan German-Sallo, Gabriela Strnad

Noise Measurement and Analysis
Katalin Agoston

Measure of Regularity in Discrete Time Signals
Zoltan German-Sallo

DPWM Techniques in Digitally Controlled, EMI Compliant DC-DC Converters
László Turos, Géza Csernáth

Driver for 5-Phase Stepper Motor Pentagon Connection with Dedicated ICs
Alexandru Morar

Comparison Between Model Reference Discrete Time Indirect and Direct Adaptive Controls
Katalin György, László Dávid

Fluid Temperature Control Using Heat Exchanger
Mircea Dulău, Melania Karoly, Tudor-Mircea Dulău

Messaging Capabilities of V2I Networks
Razvan Andrei Gheorghiu, Valentin Iordache, Marius Minea

Capturing Human Hand Movements with a Webcam to Control an Anthropomorphic Gripper

Catalin Constantin Moldovan, Ionel Staretu

Human Hand Gesture Based System for Cursor Mouse Control

Horatiu-Stefan Grif

Artificial Intelligence Solution for Managing a Photovoltaic Energy Production Unit in Mures County

Adrian Gligor, Cristian-Dragos Dumitru, Horatiu-Stefan Grif

Modelling and Simulation Software Solutions as a Premise for Enhancing Processes' Quality and Business Overall Value

Dan Dumitriu

Research on the Trend and Potential Impact of Adopting BPM Techniques over General Performance of the Organization

Dan Dumitriu

Information Systems Technology and Mathematics
Hotel Continental Grigorescu Conference Hall
Friday, October 6th 2017; 10:30 – 12:30

Session chairs:

László Kovács – “University of Miskolc, Hungary

Alexandru Horváth – “Petru Maior” University of Tîrgu – Mureş, Romania

Algorithmic Thinking vs. Text Comprehension

Katalin Harangus, Zoltán Kátai

Digitising the European Industry - Holonic Systems Approach

Dániel Tokody

The „Prophet” Decision Support System

Richárd Pető

General Architecture of Cloud

Attila Albini, Zoltan Rajnai

Computer Algebra Proof of Some Identities Involving Binomial Coefficients

Alexandru Horváth

Multiple Solutions in Linear Programming Problem

Marcel Bogdan

A Schur Type Inequality for Seven Variables

Bela Finta

An Algebraic Topology Based Secret Sharing Scheme

Alexandru Horváth

Virtual Panel Session - Sustainable Development Technologies
“Petru Maior” University of Tîrgu Mureş, Room L14
Friday, October 6th 2016; 14:00 – 18:00

Session chairs:

Gabriela Strnad – “Petru Maior” University of Tîrgu Mureş, Romania
Răzvan Cazacu – “Petru Maior” University of Tîrgu Mureş, Romania
Arina Modrea – “Petru Maior” University of Tîrgu Mureş, Romania
Mihai Şimon – “Petru Maior” University of Tîrgu Mureş, Romania

Experimental Evaluation of the Effect of Mix Design Ratios on Compressive Strength of Cement Mortars Containing Cement Strength Class 42.5 and 52.5 Mpa

Hamid Eskandari-Naddaf, Ramin Kazemi

Simultaneous Effect of Nano and Micro Silica on Corrosion Behaviour of Reinforcement in Concrete Containing Cement Strength Grade of C-525

Hamid Eskandari-Naddaf, Ali Ziaei Nia

Studies of Highly Filled Composite Based on Two-Component Organic Binder Stress State in Thermal Stress

Ivan Erdakov, Vassily Ivanov, Vladislav Pashnyov, Pavel Fekolin, Vadim Davydov, Ralf Walter, Danil Pimenov

Similarities and Differentiations at the Level of the Industries in Acquiring an Organizational Culture in Innovation

Cătălin-George Alexe, Cătălina-Monica Alexe

Effect of Nitrogen Sources and Fermentation Conditions on Bacillus Sp. R2 Chitinase Production

Ben Amar Cheba, Taha Ibrahim Zaghoul, Ahmad Rafik El-Mahdy, Mohamad Hisham El-Massry

Demineralized Crab and Shrimp Shell Powder: Cost Effective Medium for Bacillus Sp. R2 Growth and Chitinase Production

Ben Amar Cheba, Taha Ibrahim Zaghoul, Ahmad Rafik El-Mahdy

Parametric Study of Composite Bolted Joint Under Compressive Loading.

Laxman Awadhani, Anand Bewoor

The Effect of Alloying Element on the Stacking Fault Energy of Twip Steel

Hamza Essoussi, Said Ettaqi, Elhachmi Essadiqi

Severe Reduction in Section of Copper Wire Using the Technology of Wire Cold Cassette Roller Dies

Ioana Monica Sas-Boca, Marius Tintelecan, Mariana Pop, Dana Adriana Ilutiu-Varvara

Miniaturized Design of Rat-Race Coupler by Utilizing T-Shape Stubs

Mahmoud Moubadir, Naima Amar Touhami, Mohamed Aghoutane, Hicham Aziz, Imane Badaoui

A New Technical Version of Wiping of the Steel Wire Surface After "Hot Dip" Zinc Coating

Marius Tintelecan, Ioana Monica Sas-Boca, Mariana Pop, Dana-Adriana Iluțiu-Varvara

Determination of Johnson-Cook Material Model Parameters by an Optimization Approach Using the Fireworks Algorithm

Nikolaos Karkalos, Angelos Markopoulos

The Effect of Alloying Element on the Stacking Fault Energy of Twip Steels

Hamza Essoussi, Said Ettaqi, Elhachmi Essadiqi

Experimental Analysis of Biocomposite Raphia Fiber/Chitosan Influence of Weaving Process on Mechanical Properties

Fatima Zahra Bougueraa, Saoussan El Mouhri, Said Ettaqi

Production Scheduling Optimization in Foundry Using Hybrid Particle Swarm Optimization Algorithm

Laxmi Bewoor, V. Chandraprakash, Sagar Sapkal

Parametric Study of Composite Bolted Joint Under Compressive Loading

Dr. Anand Bewoor, Laxman Awadhani

Damage Detection of Surface Cracks in Metallic Parts by Pulsed Eddy-Current Probe

Abdeslam Aoukili, Abdellatif Khamlichi

Numerical Study of Cold-Formed Steel Bolted Joints in Pitch-Roof Portal Frame

Teofil-Florin Galatanu, Christiana Cazacu, Dorin Radu, Radu Muntean, Florin-Lucian Tamas

Study on the Optimization of Some Cement Based Mixing Binders' Characteristics

Mircea Rujanu, Livia Ingrid Diaconu, Plian Diana, Dănuț Babor, Adrian Constantin Diaconu

Characterization of a Lightweight Concrete with Sun-Flower Aggregates

Catalina Mihaela Helepciuc (Gradinaru), Marinela Barbuta, Adrian Alexandru Serbanoiu

Risk Assessment in Manufacturing SMEs' Labor System

Andreea Dumitrescu, Dana Corina Deselnicu

The Impact of Ethical Leadership on Leadership Effectiveness Among SMEs in Malaysia

Mitra Madanchian, Hamed Taherdoost, Norashikin Hussein, Fauziah Noordin

Fit Manufacturing; Integrated Model of Manufacturing Strategies

Raghd Ibrahim Esmaeel, Norhayati Zakuan, Noriza Mohd Jamal, Hamed Taherdoost

Interoperability of International Standards, Condition Monitoring Methods and Research Models for Bearing Fault: An Integrated Approach

Dr.Anand Bewoor, Sham Kulkarni

Understanding of Business Performance from the Perspective of Manufacturing Strategies; Fit Manufacturing and Overall Equipment Effectiveness

Raghd Ibrahim Esmaeel, Norhayati Zakuan, Noriza Mohd Jamal, Hamed Taherdoost

The Usability Pilot Study of a Mechatronic System for Gait Rehabilitation

Ileana Ciobanu, Doina Ioana Stanculescu (Badea), Alina Iliescu, Flaviu Moldovan, Alina Magdalena Popescu (Chesnoiu), Tadeusz Mikolajczyk, Petre Lucian Seiciu, Mihai Berteanu

Open Innovation Model: Enabling the Market Uptake of Innovation

Geanina Silvana Banu

Measuring Innovation Using Key Performance Indicators

Geanina Silvana Banu

A Review of Technology Acceptance and Adoption Models and Theories

Hamed Taherdoost

South Pecan Island Freshwater Introduction Restoration Project, Louisiana, USA

Hazem Eldeeb

Virtual Panel Session – Intelligent Systems and Technologies
“Petru Maior” University of Tîrgu Mureş, Room L11
Friday, October 6th 2016; 14:00 – 18:00

Session chairs:

Dulău Mircea – “Petru Maior” University of Tîrgu Mureş
Adrian Gligor – “Petru Maior” University of Tîrgu Mureş
Stelian-Emilian Oltean – “Petru Maior” University of Tîrgu Mureş
Adrian Duka – “Petru Maior” University of Tîrgu – Mureş

Robust Fault Reconstruction Using Sliding Mode Observers for IM Drives

Hemza Mekki, Omar Benzineb, Larbi Chrifi-Alaoui, Djamel Boukhetala, Mohamed Tadjine

3-UPU Robotic Mechanism Performance Evaluation through Kinematic Indexes

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