Lucian Blaga University of Sibiu – Romania

Faculty of Engineering

Department of Industrial Engineering and Management Department of Industrial Machines and Equipment



CONFERENCE PROGRAM The 9th International Conference on Manufacturing Science and Education - MSE 2019 -

June 5 – 7, 2019 Sibiu, Romania



Main Partner: Hasso Plattner Institut

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PROGRAM OVERVIEW

WEDNESDAY,	JUNE5 th , 2019
18:00 -19:00	Registration
19:00 - 21:00	Welcome Reception
	(Faculty of Engineering)
THURSDAY, JU	
8:30 - 9:30	Registration
	University's Library - Aula Magna,
	2A Lucian Blaga St
9:30 - 10:00	Opening Ceremony
	University's Library - Aula Magna,
	2A Lucian Blaga St
	rks -Prof. Eng. Liviu ROȘCA, Sc.D., MBA, dean of
Faculty of Engi	e
-	ch - Prof. Eng. Ioan BONDREA, Sc.D., rector of
Lucian Blaga U	Iniversity of Sibiu
Guest's Speech	- Prof. Eng. Christoph MEINEL, Ph.D. CEO Hasso
Plattner Institut	
10:00 - 11:30	Plenary Session: Invited Keynote Speakers
	University's Library - Aula Magna,
	2A Lucian Blaga St
• 10:00 - 10:30, 4	Acad. Dorel BANABIC – invited keynote speaker
• 10:30 - 11:00	, Prof. Eng. Christoph MEINEL, Ph.D invited
keynote speaker	
• 11:00 - 11:30, 1	Prof. Eng. Anca DRĂGHICI, Ph.D. – invited keynote
speaker	- · ·
11:30 - 11:45	Coffee Break
	University's Library - Aula Magna,
	2A Lucian Blaga St
11:45 - 13:15	Plenary Session: Invited Keynote Speakers
	University's Library - Aula Magna,
	2A Lucian Blaga St
• 11:45 – 12:15, speaker	Prof. Eng. Detlef ZUEHLKE, Ph.D. – invited keynote
	Prof. Eng. Nicolae BÂLC, Ph.D invited keynote
	Prof. Eng. Gerrit MEIXNER, Ph.D. – invited keynote
speaker	Ton Eng. Contemportation, The Englished Reynold

13:30 - 14:30	Lunch
	(University's Library, 2A Lucian Blaga St, Aula
	Magna)
15:00 - 16:30	Parallel Sessions
	Faculty of Engineering, 4 Emil Cioran St
	Academic Meeting Center, 6 Banatului St
16:30 - 16:45	Coffee Break
	Faculty of Engineering, 4 Emil Cioran St
	Academic Meeting Center, 6 Banatului St
16:45 - 19:00	Parallel Sessions
	Faculty of Engineering, 4 Emil Cioran St
	Academic Meeting Center, 6 Banatului St
16:45 - 19:00	"Using Simulation Software to Design and
	Prove-Out Additive Manufacturing Processes"
	16:45-17:45 - Presentation in room IE101
	17:45-19:00 - Hands-on demo in room IM117C
	Faculty of Engineering, 4 Emil Cioran St
	Chairmen:Lee Fowkes and Radu Emanuil Petruse.
20:00 - 23:00	Gala Dinner
	"Împăratul Romanilor" Restaurant,
	4 Nicolae Bălcescu St
FRIDAY, JUNE	7 th , 2019
9:00 - 10:30	Parallel Sessions
	Faculty of Engineering, 4 Emil Cioran St
	Academic Meeting Center, 6 Banatului St
10:30 - 11:00	Coffee Break
	Faculty of Engineering, 4 Emil Cioran St
	Academic Meeting Center, 6 Banatului St
11:00 - 13:00	Workshop "Occupational Safety and Early Career
	Orientation Education" ROOM: Academic Meeting
	Center - Room 12,6 Banatului St
	Chairmen: Lucian-Ionel CIOCA, Niculae
	VOINOIU and Remus FURTUNĂ.
13:30 - 14:30	Lunch
	(Faculty of Engineering, 4 Emil Cioran St)

PARALLEL SESSIONS

SESSION 1 - DESIGN, MANUFACTURING AND MANAGEMENT OF TECHNOLOGICAL EQUIPMENT AND SYSTEMS

THURSDAY, JUNE 6th, 2019

ROOM: IM 301, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30

Chairmen: Sorin-Mihai Croitoru, Mirko Blagojevic, Milan Rackov

1.	Răzvan Bogățeanu, Claudiu Bîșu, Constantin Dogariu, Sorin-Mihai Croitoru and
	Dana Tilină. RESEARCHES REGARDING THE MECHANICAL VIBRATIONS
	APPLIED IN THE MANUFACTURING OF ASSISTIVE DEVICES
2.	Stefan Djurdjevic, Dragoljub Novakovic, Sandra Dedijer, Nemanja Kasikovic and
	Zeljko Zeljkovic. DEVELOPMENT OF AUGMENTED REALITY
	APPLICATION FOR INTERACTIVE SMART MATERIALS
3.	Dan Dobrota and Valentin Petrescu. OPTIMIZATION OF WELDING REGIMES
	FOR OBTAINING OF CORROSION-RESISTANT WELDED CONSTRUCTIONS
4.	Constantin Ștefan Ionescu, Aurel Lunguleasa, Cosmin Spîrchez and Anamaria
	Avram. ALTERNATIVE METHOD FOR MINIMALLY INVASIVE
	DETERMINATION OF THE WOOD FRAGILITY FROM CULTURAL
	HERITAGE ASSETS
5.	Ivan Knežević, Aleksandar Živković, Mirjana Bojanić Šejat, Milan Rackov, Milan
	Zeljković and Nicolae Florin Cofaru. ANALYSIS THE AMOUNT OF
	LUBRICATION AND ROUGHNESS OF RACEWAYS ON DYNAMIC
	BEHAVIOR ON THE BALL BEARING
6.	Paweł Maciąg and Leszek Chałko. USE OF SOUND SPECTRAL SIGNALS
	ANALYSIS TO ASSESS THE TECHNICAL CONDITION OF MECHANICAL
	DEVICES
7.	Paweł Maćkowiak, Dominika Płaczek and Agnieszka Sołtysiak. MECHANICAL
	PROPERTIES OF METHACRYLIC PLEXUS MA300 ADHESIVE MATERIAL
	DETERMINED IN TENSILE TEST AND BUTT JOINTS OF ALUMINUM
	THICK PLATES
8.	Milos Matejic, Mirko Blagojevic, Ioana Ileana Cofaru, Nenad Kostic, Nenad
	Petrovic, Nenad Marjanovic. DETERMINING EFFICIENCY OF CYCLOID
	REDUCERS USING DIFFERENT CALCULATION METHODS

THURSDAY, JUNE 6th, 2019 *ROOM: IE 101, Faculty of Engineering, 4 Emil Cioran St 16:45 - 17:45* WORKSHOP "Using Simulation Software to Design and Prove-Out Additive Manufacturing Processes"

THURSDAY, JUNE 6th, 2019 ROOM: IM 301, Faculty of Engineering, 4 Emil Cioran St 17:45 - 19:00

Chairmen: Slobodan Navalusic, Nenad Marjanovic, Livia Dana Beju

9.	Aleksandar Zivkovic, Milos Knezev, Milan Zeljkovic, Slobodan Navalusic and
	Livia Dana Beju. A STUDY OF THERMO-ELASTIC CHARACTERISTICS OF
	THE MACHINE TOOL SPINDLE
10.	Marius Leonard Olar, Marius Risteiu and Monica Leba. INTERFACES USED
	FOR SMARTGLASS DEVICES IN THE CONTEXT OF AUGMENTED
	REALITY PROJECTS
11.	Arun Fabian Panaite and Lorand Bogdanffy. REIMAGINING VISION WITH
	INFINITY MIRRORS
12.	Dominika Płaczek. ADHESION BETWEEN THE BED AND COMPONENT
	MANUFACTURED IN FDM TECHNOLOGY USING SELECTED TYPES OF
	INTERMEDIARY MATERIALS
13.	Lizeta Popescu and Lucian Diodiu. OPTIMIZING THE MAGNETIC CIRCUIT
	OF AN ACTUATOR
14.	Lizeta Popescu and Lucian Diodiu. THERMAL SIMULATION OF AN
	ACTUATOR
15.	Ilie Octavian Popp. Some Aspects Regarding THE TERMIC BEHAVIOR OF A
	BASALT PARTS IN THE MACHINE BUILDING INDUSTRY

FRIDAY, JUNE 7th, 2019

ROOM: IM 301, Faculty of Engineering, 4 Emil Cioran St 9:00 - 10:30

Chairmen: Milan Rackov, Dan Dobrotă, Siniša Kuzmanović

1.	Carmen Purcar, Mircea Badescu and Marinela Ință. STUDIES ON THE WHEEL
	MOUNTING VARIANTS ON THE SHAFTS
2.	Samuel Puscasu. CONTACTLESS POWER TRANSFER APPLICATION FOR
	DEVICES IDENTIFICATION

3.	Milan Rackov, Siniša Kuzmanović, Ivan Knežević, Maja Čavić, Marko Penčić,
	Dijana Čavić and Nicolae Florin Cofaru. ANALYSIS OF POSSIBLE CONCEPT
	SOLUTIONS OF CHAIN DRIVES
4.	Sebastian Rosca and Monica Leba. DESIGN OF A BRAIN-CONTROLLED
	VIDEO GAME BASED ON A BCI SYSTEM
5.	Ovidiu-BogdanTomus, Andrei Andras, Dumitru Jula and Stela Dinescu.
	ASPECTS RELATING TO THE RELIABILITY CALCULATION OF THE
	CUTTING-TEETH MOUNTED ON THE BUCKET WHEEL EXCAVATORS
	USED IN LIGNITE MINING
6.	Sorin Dan Volosciuc and Monica Elena Dragosin. PROSUMER' S IMPACT ON
	LOW VOLTAGE DISTRIBUTION NETWORKS
7.	Željko Zeljković, Dragoljub Novaković, Sandra Dedijer, Nemanja Kašiković and
	Stefan Đurđević. DEVELOPMENT OF DISTANCE LEARNING CONCEPT
	WITH GRAPHIC MACHINES WORKING PROCESS VISUALIZATION
8.	Diana Muntean and Octavian Bologa. FROM PART TO POINT CLOUD, THE
	MODELING OF A 3D PART

SESSION 2 - MANAGEMENT, MODELLING AND MONITORING OF MANUFACTURING PROCESSES

THURSDAY, JUNE 6th, 2019

ROOM: IM 109, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30

Chairmen: Nagîţ Gheorghe, Laurențiu Slătineanu , Cristina Mohora

1.	Liviu Berculescu, Emilia Bălan, Cristina Mohora and Mariana Tudor. EFFICIENCY ANALYSIS OF IMPLEMENTING HYBRID PRINTING
	TECHNOLOGIES
2.	Crina Narcisa Deac, Gicu Calin Deac, Florina Chiscop and Cicerone Laurențiu
2.	Popa. METHODS TO IDENTIFY TIME SERIES ABNORMALITIES AND
	PREDICTING ISSUES CAUSED BY COMPONENT FAILURES
3.	Camelia-Gabriela Arsene and George Constantin. INDUSTRY 4.0: KEY
	QUESTIONS IN MANUFACTURING
	Maria Popa, Ioana Glevitzky and Adina Sârb. IMPROVEMENT OF THE
4.	TECHNOLOGICAL PROCESS OF CARBONATED SPRING WATER BY
	IMPLEMENTING THE QUALITY AND FOOD SAFETY MANAGEMENT
	STANDARDS
	Laurentiu Slătineanu, Adelina Hrituc, Gheorghe Nagit, Oana Dodun, Irina Beșliu-
5.	Bancescu, Bogdan Oroian, Ionut Condrea, Carmen Botezatu and Mihaela Etcu.
	CREATIVE SYNTHESIS OF THE TECHNICAL SOLUTIONS IN THE FIELD
	OF INDUSTRIAL PROCESSES

THURSDAY, JUNE 6th, 2019 *ROOM: IE 101, Faculty of Engineering, 4 Emil Cioran St 16:45 - 17:45* WORKSHOP "Using Simulation Software to Design and Prove-Out Additive Manufacturing Processes"

THURSDAY, JUNE 6th, 2019 ROOM: IM 109, Faculty of Engineering, 4 Emil Cioran St 17:45 - 19:00

Chairmen: Anca Drăghici, Tom Savu, Aurel Mihail Țîțu

6.	Anca Mocan and Anca Drăghici. AUTOMATION POSSIBILITIES IN A LOW ROTATION WAREHOUSE OF A BELGIAN MANUFACTURING PLANT- A CASE STUDY
7.	Radu Dan Paltan, Cristina Maria Biriş and Anne-Marie Rădulescu. MONITORING THE TECHNOLOGICAL PROCESSES IN THE WOOD INDUSTRY IN ORDER TO MAKE THEM MORE EFFICIENT THROUGH TECHNICAL OVERHAULING
8.	Piotr Paszta. THE POSSIBILITY OF CUTTING SHAPES ON CNC MACHINE TOOLS
9.	Tom Savu and Bogdan Alexandru Jugravu. REMANENT BATTERY CAPACITY ESTIMATION FOR AUTONOMOUS GROUND INDUSTRIAL VEHICLES
10	Alina Bianca Pop and Aurel Mihail Țîțu. STUDY OF THE CUTTING PROCESS PARAMETERS THAT INFLUENCE THE SURFACE QUALITY MACHINED BY END MILLING OF THE ALUMINUM ALLOY

SESSION 3 - ADVANCED MANUFACTURING TECHNOLOGIES

THURSDAY, JUNE 6th, 2019

ROOM: IM 106, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30

Chairmen: Dan Chicea, Oana Dodun, Marius Bibu

	Theoharis Babanatsas, Dan Ovidiu Glavan, Roxana Mihaela Babanatis Merce
1.	and Andreea Ioana Glavan. STUDY OF FORCES INFLUENCING THE
	SHAKING PARAMETERS IN MECHANIZED/ ROBOT-ASSISTED
	HARVESTING OF OLIVES
2	Marius Bibu and Florin Ciofu. METALLOGRAPHICAL ASPECTS OF
۷.	APPLICATION OF SPECIAL PAINT LAYERS FOR THE PROTECTIO
	MACHINE PART SECTIONS AGAINST THE EFFECT OF IONITRIDING

3.	Dan Chicea and Liana Maria Chicea. A STUDY OF MILK PARTICLES SIZE
	VARIATION WITH PH CHANGE USING DYNAMIC LIGHT SCATTERING
4	Florin Cristian Ciofu. INCREASING THE WEAR RESISTANCE OF
4.	METALLIC MATERIALS BY APPLYING THERMOCHEMICAL
	TREATMENTS
5	Adelina Hrițuc, Margareta Coteață, Oana Dodun, Gheorghe Nagîț and Laurențiu
э.	Slătineanu. OPTIMAL SELECTION OF EQUIPMENT FOR INJECTION
	MOLDING PROCESS USING AHP METHOD
6.	Martin Heinisch, José Jácome and Dan Miricescu. CURRENT EXPERIENCE
	WITH APPLICATION OF METAL-BASED NANOFERTILIZERS
7	Libuše Sýkorová, Jana Knedlová, Dagmar Měřínská and Vladimír Pata.
/.	COMPARISON OF QUANTITATIVE CHANGES AFTER PASSING THE
	LASER BEAM THROUGH POLYMERIC MATERIAL

THURSDAY, JUNE 6th, 2019

ROOM: IE 101, Faculty of Engineering, 4 Emil Cioran St 16:45 - 17:45 WORKSHOP "Using Simulation Software to Design and Prove-Out Additive Manufacturing Processes"

THURSDAY, JUNE 6th, 2019

ROOM: IM 106, Faculty of Engineering, 4 Emil Cioran St 17:45 - 19:00

Chairmen: Valentin Oleksik, Radu Breaz

8.	Marek Kowalik and Tomasz Trzepiecinski. EXPERIMENTAL ASSESSMENT
0.	OF THE DEPTH OF THE DEFORMED LAYER IN THE ROLLER
	BURNISHING PROCESS
9.	Marek Kowalik, Tomasz Trzepiecinski and Hirpa G. Lemu. EFFECT OF
9.	PRESSING PARAMETERS ON THE QUALITY OF JOINT FORMATION OF
	HEAT EXCHANGER FINS WITH THE BASE PLATE
10.	Dorin Luca, Cristina M. Biriş and Dorian D. Luca. ELECTROMAGNETIC
10.	FORMING ANALYSIS OF THE AL 99.0 SHEET WITH TOOLS OF
	DIFFERENT CONFIGURATIONS
	Edgar Moraru, Octavian Dontu, Daniel Besnea, Ciprian Rizescu, Dana Rizescu
11.	and Alina Popescu-Cuta. EXPERIMENTAL RESEARCHES REGARDING
	MECHANICAL BEHAVIOR OF DENTAL PROTOTYPES REALIZED BY
	ADDITIVE TECHNOLOGIES

12	Valentin Oleksik, Radu Breaz, Gabriel Racz, Paul Dan Brindasu and Octavian
12.	Bologa. ADVANCED TECHNIQUES USED IN NUMERICAL SIMULATION
	FOR DEEP-DRAWING PROCESS
13.	Andrzej Perec. MODELING OF HIGH PRESSURE ABRASIVE WATER JET
	CUTTING OF MARBLE

FRIDAY, JUNE 7th, 2019 ROOM: IM 106, Faculty of Engineering, 4 Emil Cioran St 09:00 - 10:30

Chairmen: Livia-Dana Beju, Cătălin Fetecău

1.	Andrzej Perec and Aleksandra Radomska-Zalas. ABRASIVE WATER JET CUTTING OF STAINLESS STEEL OPTIMIZATION BY ORTHOGONAL
	ARRAY APPROACH
2.	Claudiu Rodean, Livia-Dana Beju, Mihai Popp and Gabriela Rusu. THE USAGE OF THE JOHNSON-COOK CONSTITUTIVE MODEL IN THE FINITE
	ELEMENT ANALYSIS OF THE CAULKING PROCESS
3.	Nicolae Alexandru Rosca and Mihaela Oleksik. SIMULATION OF THE SINGLE POINT INCREMENTAL FORMING OF POLYAMIDE AND
	POLYETHYLENE SHEETS
4.	Daniel Serban and Constantin Gheorghe Opran. COMPLEX MICRO MACHINING OF AN INJECTION MOLD SURFACE FOR A CONDUCTIVE POLYMERIC COMPOSITE PRODUCT
5.	Robert Sołtysiak, Piotr Wasilewski, Adam Troszyński, Paweł Maćkowiak and Agnieszka SoŁtysiak. THE ANALYSIS OF FIBER AND CO2 LASER CUTTING ACCURACY
6.	Nicoleta-Violeta Stanciu, Felicia Stan, Cătălin Fetecau and Florin Susac. ON THE FEASIBILITY OF PRINTING 3D COMPOSITE OBJECTS BASED ON POLYPROPYLENE/MULTI-WALLED CARBON NANOTUBES

SESSION 4 - CAD-CAM AND VIRTUAL ENGINEERING

THURSDAY, JUNE 6th, 2019

ROOM: IM 103, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30

Chairmen: Nicolae Bâlc, Diana Popescu, Paul Dan Brîndaşu

1.	Cătălin Gheorghe Amza, Aurelian Zapciu and Diana Popescu. 3D-PRINTED
	SHOE LAST FOR BESPOKE SHOE MANUFACTURING
	Cătălin Gheorghe Amza, Aurelian Zapciu, Arnheiður Eyþórsdóttir, Auðbjörg
2.	Björnsdóttir and Jonathan Borg. MECHANICAL PROPERTIES OF 3D
	PRINTED COMPOSITES WITH ABS/ASA SUBSTRATE AND GLASS
	FIBER INSERTS
3.	Roxana Mihaela Babanatis, Merce Theoharis Babanatsas and Dan Ovidiu
5.	Glavan. EXPERIMENTAL STUDY ON THE AUTOMATIC SELECTION OF
	OLIVES
4.	Cristian Bucurenciu, Victor Sebastian Costache and Gabriela Simona Candea.
4.	STUDY OF AORTIC DISSECTION TREATMENT. SEGMENTATION,
	SIMULATIONAND VALIDATION OF SURGICAL
5.	Raluca Diaconu and Paul Dan Brindasu. PERSONALISED FORMWORK -
	SCIENTIFIC APPROACH FOR NEW SOLUTION VARIANTS
6.	Robert Iacob and Diana Popescu. HAPTICS DEMOCRATIZATION -
	CHALLENGES AND OPPORTUNITIES

THURSDAY, JUNE 6th, 2019

ROOM: IE 101, Faculty of Engineering, 4 Emil Cioran St 16:45 - 17:45 WORKSHOP "Using Simulation Software to Design and Prove-Out Additive Manufacturing Processes"

THURSDAY, JUNE 6th, 2019 ROOM: IM 103, Faculty of Engineering, 4 Emil Cioran St 17:45 - 19:00

Chairmen: Nicolae Bâlc, Cristina Mohora, Sever-Gabriel Racz

	Florin Dumitru Popescu, Sorin Mihai Radu, Andrei Andras and Ildiko Kertesz
7.	Brinas. A GRAFO-NUMERIC METHOD OF DETERMINATION OF THE
	OPERATION POWER OF THE ROTOR OF ESRC-1400 BUCKET WHEEL
	EXCAVATOR USING COMPUTER SIMULATION IN SOLIDWORKS
8.	Mihai Octavian Popp, Gabriela Petruta Rusu, Sever-Gabriel Racz and Ilie-
0.	Octavian Popp. FORCE AND THICKNESS PREDICTION WITH FEA OF
	THE CRANIAL IMPLANTS MANUFACTURED THROUGH SPIF
9.	Vasile Prisăcariu, Constantin Rotaru and Mihai Leonida Niculescu.
9.	NUMERICAL CONSIDERATIONS AND SIMULATIONS ABOUT PULSE
	DETONATION ENGINE (PDE)
10.	Alina Rodica Spânu, George Drăgoi and Iolanda Panait. IMPROVEMENTS
	ON GRASPING OBJECTS WITH IRREGULAR SHAPES
	Alexandru - Lucian Stanciu, Nicoleta- Elisabeta Pascu, Constantin Dogariu and
11.	Cristina Mohora. RESEARCHES REGARDING SCALE REDUCED
	MODELS FOR THE OPTIMISATION OF THE AERODYNAMIC
	COEFFICIENT

SESSION 5 - QUALITY ENGINEERING AND MANAGEMENT

THURSDAY, JUNE 6th, 2019 *ROOM: IE 301, Faculty of Engineering, 4 Emil Cioran St* 15:00 - 16:30

Chairmen: Carmen Simion, Lucian Lobonț

1.	Alexander V. Aleksakhin, Ivan Zaytsev, Yuliya V. Aleksakhina, Evgeniya Eliseeva and Luydmila Kostygova. COST MANAGEMENT IN THE QUALITY MANAGEMENT SYSTEM IN AN INDUSTRIAL ENTERPRISE
2.	Mirona Ana-Maria Popescu, Olivia Doina Negoita, Anca Alexandra Purcarea and Valeriu Popescu. RESEARCH ON HUMAN RESOURCE FROM INFORM. TECHNOLOGY INDUSTRY
3.	Simona Riurean. An EFFICIENT PROCEDURE FOR MATERIALS' MARKING IN METALLIC CONSTRUCTIONS INDUSTRY BASED ON QR CODES

4.	Adina Sârb, Ioana Glevitzky, Liliana Itul and Maria Popa. THE
4.	IMPROVEMENT OF QUALITY MANAGEMENT SYSTEM IN A
	PORCELAIN FACTORY
5.	Carmen Simion. MEASUREMENT SYSTEM ANALYSIS BY ATTRIBUTE,
5.	AN EFFECTIVE TOOL TO ENSURE THE QUALITY OF THE VISUAL
	INSPECTION PROCESS WITHIN AN ORGANIZATION
	Ovidiu Tita, Adelina Maria Constantinescu and Mihaela Adriana Tita.
6.	RESEARCH ON THE QUALITY ASSURANCE OF FERMENTED DAIRY
	PRODUCTS WITH ADDITION OF BIOACTIVE COMPOUNDS FROM
	MEDICINAL PLANTS

SESSION 6 - TRANSPORT ENGINEERING AND ROAD VEHICLES, TRAFFIC MANAGEMENT

THURSDAY, JUNE 6th, 2019 ROOM: IM 217, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30

Chairmen: Alexandru Racovitza, Vasile Dragu, Marinela Ință

1	Iudit Bere - Semeredi and Anca Mocan. A REVIEW OF THE EUROPE
1.	INDICATORS ON CLIMATE CHANGE - INDUSTRY, INNOVATION
	AND INFRASTRUCTURE
2.	Cătălin Cioacă, Mircea Boșcoianu, Ioan-Dănuț Bălos and Doru Luc
۷.	ANALITICAL MODEL FOR ASSESSING THE INVESTMENT
	CONNECTIVITY FOR SMALL AIRPORTS
3.	Ionica Circiu and Constantin Rotaru. THEORETICAL AND PRACTICAL
	ASPECTS OF THE COANDĂ EFFECT APPLIED IN AERONAUTICS
4.	Cristian Deac and Lucian Tarnu. CONSIDERATIONS ON THE ROLE OF
4.	MODERNIZING THE ROAD INFRASTRUCTURE IN THE
	PREVENTION OF ROAD ACCIDENTS
5	Lucian Tarnu and Cristian Deac. ANALYSIS OF THE ROAD RISK ON
5.	THE NATIONAL ROAD 7 SECTOR OF THE OLT RIVER GORGE,
	BETWEEN BOITA AND CALIMANESTI, FOR THE YEARS 2011-2018
6.	Lucian Lobont and Andrei Marius Pînzariu. EFFECTS OF REVERSIBLE
	LANE IMPLEMENTATION, A CASE STUDY SIMULATION

THURSDAY, JUNE 6th, 2019 ROOM: IM 217, Faculty of Engineering, 4 Emil Cioran St 16:45 - 19:00

Chairmen: Alexandru Racovitza, Vasile Dragu, Marinela Ință

7	Liliana Georgeta Popescu and Mihaela Elena Fratila. STUDY ON THE							
/.	OPENING OF AN NEW WORKING PLACE IN ROMANIA OF AN							
	EUROPEAN EXPEDITION HOUSE							
	Bogdan Radu and Alexandru Racovitza. ON THE POSSIBILITY TO							
8.	DECREASE THE FUEL CONSUMPTION FOR A HEAVY-DUTY TRUCK							
	DIESEL ENGINE USING THE TURBO-COMPOUND METHOD: A CASE							
	STUDY							
9.	Cosmin Rus, Razvan Marcus and Olimpiu Stoicuta. ROAD TRAFFIC							
9.	MONITORING SYSTEM WITH SELF-LEARNING FUNCTION USING							
	THE RASPBERRY PI PLATFORM							
10.	Dragu Vasile and Roman Eugenia Alina. THE ORIGIN–DESTINATION							
	MATRIX DEVELOPMENT							

SESSION 7 - MANAGEMENT AND ECONOMIC ENGINEERING

THURSDAY, JUNE 6th, 2019

ROOM: IE 302, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30

Chairmen: Anca Draghici, Dan Miricescu, Gina-Maria Moraru

	Alexander Aleksakhin, Ivan Zaytsev, Evgeniya Eliseeva, Angelina Petergova
1.	and Luydmila Kostygova. THE PLANNING OF BUSINESS PROCESSES IN
	AN UNCERTAIN ENVIRONMENT ON OLIGOPOLISTIC MARKETS
2.	Gina-Maria Moraru and Daniela Popa. CHANGES REQUIRED IN ORGAN
2.	THE CREATIVITY MANAGEMENT IN ROMANIAN FIRMS
	Raluca Mihaela Bârsan and Felicia-Mihaela Codrea. LEAN UNIVERSITY:
3.	APPLYING THE ECRS METHOD TO IMPROVE AN ADMINISTRATIVE
	PROCESS
	Mihaela Laura Bratu and Lucian Ionel Cioca. MANAGERIAL STRATEGIES
4.	OF THE PERSONAL VALUES, USED TO IMPROVE ENGINEERS
	COMMUNICATION
	Iulia Dumitrascu-Baldau and Dănuț Dumitru Dumitrascu. INTERCULTURAL
5.	COMMUNICATION AND ITS CHALLENGES WITHIN THE
	INTERNATIONAL VIRTUAL PROJECT TEAM

	Monica	Faur	and	Constantin	Bungau.	OUTSOURCIN	IG TOWARDS
6.	GREATE	ER A	GILIT	Y THROU	IGH INV	/ESTIGATING	DECOUPLING
	POINTS	IN LE.	AGILI	E SUPPLY C	HAINS		

THURSDAY, JUNE 6th, 2019 ROOM: IE 302, Faculty of Engineering, 4 Emil Cioran St 16:45 - 19:00

Chairmen: Dănuț Dumitrașcu, Constantin Bungău

	Ion Cosmin Gherghea, Constantin Bungau and Dan Claudiu Negrau. BEST
7.	PRACTICES TO INCREASE MANUFACTURING PRODUCTIVITY -
	COMPARATIVE STUDY
8.	Mihaela Ghicajanu. ANALYSIS OF FACTORS FROM THE EXTERNAL
0.	ENVIRONMENT IN CHANGING BUSINESS PROCESSES
	Andreea Ionica, Yunnis Nassar and Sorin Mangu. ORGANIZATIONAL
9.	CLIMATE ASPECTS AND PRINCIPAL'S BURNOUT IN SOUTHERN
	ISRAEL SCHOOLS
	Elena-Izabela Popa, Amalia Furdui, and Eduard-Victor Edelhauser
10.	ORGANIZATIONAL CULTURE VECTOR IMPORTANT FOR THE
	PERFORMANCE OF A COMPANY
	Elena-Izabela Popa, Amalia Furdui and Eduard-Victor Edelhauser.
11.	CONSIDERATIONS ON MANAGEMENT FOR TECHNOLOGICAL
	ENTREPRENEURSHIP
	Arik Sadeh, Claudia Florina Radu, Cristina Feniser and Ken Brown.
12.	GOVERNMENTAL INTERVENTIONISM DEGREE IN ECONOMY - A
	CASE STUDY IN OECD COUNTRIEs
	Szilárd Székely,Lucian-Ionel Cioca and Adriana Benedek.TECHNICAL AND
13.	COMMERCIAL COMMUNICATION METHODS USED IN SEMI-
15.	FINISHED INDUSTRIAL GOODS MARKET IN SOUTH EAST
	EUROPEAN MARKETS

SESSION 8 - MECHANICAL ENGINEERING, MECHATRONICS AND ROBOTICS

THURSDAY, JUNE 6th, 2019 *ROOM: IM 203, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30* Chairmen: Radu Breaz, Mihai Avram

	Daniel Besnea, Ciprian Rizescu, Edgar Moraru, Elena Dinu and Iolanda
1.	Panait. COMPARATIVE STUDY REGARDING THE WEAR OF
1.	
	GEARWHEELS MANUFACTURED THROUGH ADDITIVE
	TECHNOLOGIES
2.	Adriana Sandu, Lucian Bogatu, Georgeta Ionascu, Elena Manea and Viorel
2.	Gheorghe. MODELING, SIMULATION AND EXPERIMENTAL
	RESEARCH FOR MEMS CANTILEVERS OF COMPLEX GEOMETRY
	Mihai Avram, Victor Constantin and Emil-Ionut Niță. RESEARCH ON THE
3.	DESIGNING OF PNEUMATIC POSITIONING UNITS CONTROLLED
	WITH VALVES COMMANDED IN MODULATED PULSES
	Victor Constantin, Mihai Avram, Constantin Bucsan and Alexandru
4.	Vläsceanu. HARDWARE STRUCTURE OF A SURVEILLANCE SYSTEM
	FOR STRATEGIC OBJECTIVES
5.	Camil Ion Crăciun and Cătălin Cruceanu. THE EFFECTS OF FILLING
	CHARACTERISTICS ON THE LONGITUDINAL FORCES DEVELOPED
	IN THE BRAKING TRAIN
6.	Lavinia Culda, Elena Stela Muncut and Geza Mihai Erdodi. THE ANALYSIS
0.	OF THE ROBOTIZED HANDLING OF OXYGEN GAS BOTTLE WITH
	THE HELP OF THE PETRI NETWORKS
_	Andrea Deaconescu and Tudor Deaconescu. FIN-RAY EFFECT® BASED
7.	STRUCTURE FOR THE PASSIVE MOBILIZATION OF THE HAND
	JOINTS

THURSDAY, JUNE 6th, 2019 *ROOM: IM 203,Faculty of Engineering, 4 Emil Cioran St 16:45 - 19:00*

Chairmen:Sever-Gabriel Racz, Roman Ruzarovsky, Aleksandar Miltenović

8.	Mădălina Dumitriu and Marius Alin Gheți. ON THE LONGITUDINAL
	VIBRATION OF THE RAILWAY BOGIE
9.	Matej Janíček, Karol Velisek, Radovan Holubek and Roman Ruzarovsky.
9.	EVALUATIONS OF THE VOICE TO TEXT TRANSFER IN DIFFERENT
	CONDITIONS
10.	Karolina Karolewska and Bogdan Ligaj. MECHANICAL PROPERTIES
10.	COMPARISON OF TI6AL4V PRODUCED BYDIFFERENT
	TECHNOLOGIES UNDER STATIC LOAD CONDITIONS
	Maciej Kotyk and Dariusz Boronski. INFLUENCE OF THE
11.	THEORETICAL LOAD POINT ON THE VALUE OF THE J JQ
	INTEGRAL, DURING DETERMINATION OF FRACTURE TOUGHNESS
	OF 2519 ALUMINIUM ALLOY
12.	Tesfaye Olana Terefe, Hirpa G. Lemu and Addisu K Mariam. REVIEW AND
	SYNTHESIS OF A WALKING MACHINE (ROBOT) LEG MECHANISM
13.	Aleksandar Miltenović, Milan Banić and Nikola Velimirović. TECHNICAL
	SOLUTION OF THE DRIVE SYSTEM FOR MIXING DOUGH MACHINE
14.	Elena Stela Muncut, LaviniaIoana Culda, GezaMihai Erdodi and Gheorghe
17.	Sima. THE WELDING PROGRAM OPTIMIZATION OF A S355 STEEL
	ASSEMBLY USED IN AGRICULTURAL MACHINERY
15.	Constantin Nițu, Bogdan Grămescu, Adrian Cartal and Sachit Hashim.
10.	MANIPULATOR FOR THE SCANNING OF THE PIPES EXTERNAL
	SURFACE
16.	Iosif Dumitrescu, Danut Grecea, Cosmin Vitan and Dorel Vitan. RESEARCH
10.	REGARDING THE UPGRADING OF THE ATTACHMENTS FOR
	BALANCE ROPES OF MINE HOISTS
17.	Mateusz Wirwicki. EFFECT OF THE AGING PROCESS AT A
- / •	TEMPERATURE OF 300 DEGREES CELSIUS OF TI6AL4V ALLOY ON
	MECHANICAL STRENGTH UNDER STATIC LOADING CONDITIONS

SESSION 9 - TEXTILE TECHNOLOGIES

THURSDAY, JUNE 6th, 2019 *ROOM: IM 219, Faculty of Engineering, 4 Emil Cioran St* 15:00 - 16:30

Chairmen: Diana Coman, Dorin Vlad

1	Milena Dinu and Diana Coman. AN EXPERIMENTAL STUDY ON THE
1.	IMPROVEMENT OF FUNCTIONALITY OF KNITTED COMPOSITE FOR
	MATTRESS
2.	Elena Spînachii, Cristian Matran, Marina Malcoci and Evgheni Pîrvan
<i>Z</i> .	INTERNET - A SUCCESSFUL TECHNOLOGY FOR THE FOOT
	FACTORIES FROM THE REPUBLIC OF MOLDOVA
3.	Dorin Vlad and Mihaela Oleksik. RESEARCH REGARDING UNIAXIAL
	TENSILE STRENGTH OF NYLON WOVEN FABRICS, COATED AND
	UNCOATED WITH SILICONE

SESSION 10 – ENGINEERING IN OIL AND GAS FIELD

THURSDAY, JUNE 6th, 2019 *ROOM: IE 301, Faculty of Engineering, 4 Emil Cioran St 16:45 - 19:00*

Chairmen: Dan Paul Stefănescu, Sorin Neacşu

1.	Cristian Nicolae Eparu, Sorin Neacsu and Adrian Neacsa. CORRELATION
	OF GAS QUALITY WITH HYDRODYNAMIC PARAMETERS IN
	TRANSMISSION NETWORKS
2.	Cristian Nicolae Eparu, Sorin Neacsu, Renata Rădulescu and Alina Petronela
2.	Prundurel. THE BALANCE OF MULTI-PHASE GATHERING AND
	TRANSPORT SYSTEMS
3.	Ion Foidas, Dan Paul Stefănescu and Mihai Serbancea. CASING WHILE
5.	DRILLING - A VIABLE ALTERNATIVE TO CONVENTIONAL
	DRILLING
4.	Alina Gligor and Sorin Alecu Huidan. CONSIDERATIONS ON THE
	OPTIMIZATION OF NATURAL GAS DELIVERIES BY USING
	AUTOMATED CONTROL SYSTEMS
5.	Nicoleta Mihaela Ionescu (Goidescu)and Tudora Cristescu. THE PRESENCE
	OF UNCERTAINTIES IN THE RESERVOIR SIMULATION

6.	Diana-Andreea Lupu. CURRENT TRENDS IN THE EXPLOITATION OF MATURE GAS FIELDS IN THE CONTEXT OF REHABILITATION CONCEPT
7.	Cristian Patrascioiu. MODELLING THE ATMOSPHERIC DISTILLATION USING THE UNISIM DESIGN SIMULATOR
8.	Silvian Suditu, Monica Emanuela Stoica and Tudora Cristescu. FACTORS INFLUENCING THE ENHANCEMENT OF ENERGY EFFICIENCY IN THE OIL AND GAS INDUSTRY

SESSION 11 – ENVIRONMENTAL ENGINEERING

THURSDAY, JUNE 6th, 2019

ROOM: IM 323, Faculty of Engineering, 4 Emil Cioran St 15:00 - 16:30

Chairmen: Gabriela Ionescu, Ciofu Florin Cristian

1.	DanNitoi, Zoia Apostolescu, Gabriel Iacobescu and Corneliu Rontescu. PRACTICAL REALISATION AND EXPERIMENTAL RESULTS OF
	ULTRASONIC FILTERS USED IN AIR FILTRATION
2.	Izabela Maria Apostu and Florin Faur. IDENTIFICATION AND ANALYS
۷.	GEOTECHNICAL RISKS IN THE CONDITIONS OF FLOODING OF
	REMAINING GAPS
3.	Iulian Alexandru Bratu. OPEN SOURCE SOLUTIONS TO IMPROVE THE
	QUALITY OF SUSTAINABLE FOREST MANAGEMENT
4.	Gabriela Ionescu, Cora Bulmau and Cosmin Mărculescu. BIO-GASEOUS
	FUELS FROM AGRICULTURAL WASTE PYROLYSIS (PART I)
5.	Cora Bulmau, Gabriela Ionescu and Cosmin Marculescu. BIO-GASEOUS
	FUELS FROM AGRICULTURAL WASTE PYROLYSIS (PART II)
6.	Ramona-Victoria Chirita and Maria Lazăr. REHABILITATION
0.	OPPORTUNITIES OF GEOMORPHOLOGICAL MODIFIED LANDS IN
	PANGA OPEN PIT – COAL BASIN BERBEŞTI

THURSDAY, JUNE 6th, 2019 ROOM: IM 323, Faculty of Engineering, 4 Emil Cioran St 16:45 - 19:00

Chairmen: Gabriela Ionescu, Ciofu Florin Cristian

7	Mădălina Elena Delayat and Maria Lazăr. CRITICAL ANALYSIS OF
7.	LOCALIZATION OF MICRO-HYDROPOWER PLANT IN THE
	SUPERIOR BASIN OF ARGEŞ RIVER
8.	Marin Silviu Nan, Alin Sultan, Dănuț Grecea and Daniel Cosmin Vitan.
0.	RESEARCH ON SOLAR RADIATION POTENTIAL AS A SOURCE OF
	RENEWABLE ENERGY IN THE MOTRU AREA
9.	Nitoi Dan, Apostolescu Zoia, Petriceanu Stefan and Rontescu Corneliu.
9.	DESIGNING THE ULTRASONIC SYSTEM USED IN INDUSTRIAL AIR
	FILTRATION BASED ON THE ULTRASONIC CAVITATION PHENOMENON
10.	Constantin Rada and Florin Faur. THE RISK OF LANDSLIDE
10.	OCCURRENCE IN THE WASTE DUMP BELONGING TO THE RUGET
	QUARRY AND MEASURES TO COMBAT IT
11.	Cosmin Spirchez, Aurel Lunguleasa, Constantin Ionescu and Cătălin
11.	Croitoru. PHYSICAL AND CALORIFIC PROPERTIES OF WHEAT
	STRAW BRIQUETTESAND PELLETS
12.	Tataru Andreea Cristina and Stanci Aurora. STUDY OF PHONIC
	POLLUTION PRODUCED BY CAR TRAFFIC IN PETROSANI
13.	Mihaela Toderas, Ionela Samuil, Andreea Ionica, Marius Leonard Olar and
	Stefan Militaru. ASPECTS REGARDING A MINING AREA
	REHABILITATION FOR POST-INDUSTRIAL TOURISM

SESSION 12 - SAFETY AND HEALTH AT WORK

THURSDAY, JUNE 6th, 2019

ROOM 12:Academic Meeting Center, 6 Banatului St 15:00 - 16:30 Chairmen:Lucian-Ionel Cioca, Marco Ragazzi, Roland-Iosif Moraru

1.	Daniel-Constantin Anghel, Eduard-Laurentiu Nitu, Alin Daniel Rizea, Alin
	Gavriluța, Ana Gavriluța and Nadia Belu. ERGONOMICS STUDY ON AN
	ASSEMBLY LINE USED IN THE AUTOMOTIVE INDUSTRY
	Ioan Popescu, Nicolae Romandas, Nicoleta-Monica Lohan, Andrei-George
2.	Albulescu, Elena Mihalache and Constantin Baciu. CRIMINAL LIABILITY
	IN CASE OF INFRINGEMENT OF THE RULES ON OCCUPATIONAL
	SAFETY AND HEALTH AND THE OCCURRENCE OF ACCIDENTS AT
	WORK – SUBJECTS OF THE OFFENSES

2	Crina Maria Barb and Nicolae Daniel Fita. A COMPARATIVE ANALYSIS
3.	OF RISK ASSESSMENT TECHNIQUES FROM THE RISK
	MANAGEMENT PERSPECTIVE
	Diana-Petronela Burduhos-Nergis, Andrei Victor Sandu, Dumitru-Doru
4.	Burduhos-Nergis, Doru-Costin Darabont, Radu-Ioachim Comaneci and
	Costica Bejinariu. SHOCK RESISTANCE IMPROVEMENT OF CARBON
	STEEL CARABINERS USED AT PPE
5.	Andrei-George Albulescu, Ioan Popescu, Anișoara Corăbieru, Alin Marian
5.	Cazac and Mihai-Adrian Bernevig-Sava. YOU HAVE MANY ACCIDENTS,
	YOU PAY LITTLE, YOU HAVE NO ACCIDENTS YOU PAY THE SAME
6.	Cristina-Maria Mihalache, Cristin Bigan, Valentin Panduru and Cristian
0.	Tsakiris. MODELLING OF NOISE REDUCTION FOR DATACENTER
	BUILDINGS FIRE PROTECTION WITH INERT GAS SYSTEMS
7.	Georgeta Buica and Constantin Beiu. PRINCIPLES FOR THE
/ / /	ASSESSMENT OF WORK EQUIPMENT FOR WORKING AT HEIGHTS
	IN ELECTRICAL INSTALLATIONS
	Doru Costin Darabont, Eduard Smîdu, Alina Trifu, Vicențiu Ciocîrlea, Iulian
8.	Ivan, Costica Bejinariu, Constantin Baciu, and Mihai-Adrian Bernevig-Sava.
0.	
1	MEVA - A NEW METHOD OF OCCUPATIONAL HEALTH AND
1	SAFETY RISK ASSESSMENT

THURSDAY, JUNE 6th, 2019 ROOM 12:Academic Meeting Center, 6 Banatului St 16:45 - 19:00

Chairmen:Doru Costin Darabont, Adam Górny, Gabriel Băbuț

9.	Loredana Cristina Dascălu, Gabriel Iacobescu, Andrei Dimitrescu, Augustin
9.	Semenescu and Valentin Petrescu. IMPLEMENTATION OF
	ANOCCUPATIONAL STRESS CONTROL MODEL
10.	Loredana Cristina Dascălu, Claudiu Babiș, Oana Roxana Chivu, Gabriel
10.	Iacobescu, Ana Maria Alecusan and Augustin Semenescu. MEASUREMENTS
	OF GALVANIC SKIN RESPONSE ON SUBJECTS AFFECTED BY STRESS
	Daniel N. Fîță, Crina Barb, Dragoș Păsculescu and Leon Pană. THE
11.	DESCRIPTION AND EVALUATION OF TECHNICAL INCIDENT RISK
	ON THE NATIONAL POWER GRID IN THE CONTEXT OF POWER
	SAFETY GROWTH
12.	Dan Gabor, Emilian Ghicioi, Mihaela Părăian, Niculina Vatavu, Florin Adrian
12.	Păun and Mihai Popa. SENSITIVITY TO IGNITION BY ELECTROSTATIC
	DISCHARGE OF EXPLOSIVE DUST / AIR

13.	Mihaela Luminita Barhalescu, Simona Ghita and Tudor-Cristian Petrescu. THE RISK OF LIQUID WOOD DEGRADATION UNDER THE INFLUENCE OF MARINE FACTORS
14.	Adam Górny. APPLICATION OF THE CSR GUIDELINES TO IMPROVE THE WORKING ENVIRONMENT
15.	Janusz K.Grabara. HEALTH AND SAFETY MANAGEMENT IN THE ASPECTS OF SINGULARITY AND HUMAN FACTOR
16.	Raluca Maria Iordache and Viorica Petreanu. THE ASSESSMENT OF MENTAL LOAD OF AIR TRAFFIC CONTROLLERS BASED ON PSYCHOPHYSIOLOGICAL INDICATORS
17.	Alin Găureanu, Larisa Ivascu and Corina Dufour. HIGHLIGHTS OF OSH TRAINING QUALITY: CONTINUOUS TRAINING OF TRAINERS
18.	Larisa Ivascu, Alin Artene, Attila Turi, Monica Bălan and Corina Dufour. OSH-SUSTAINABILITY CONNECTION: INNOVATION, EDUCATION, AND BENEFITS

FRIDAY, JUNE 7th, 2019

ROOM 11: Academic Meeting Center, 6 Banatului St 9:00 - 10:30

Chairmen:Costică Bejinariu, Augustin Semenescu, Mihai Zerbeş

1.	Izabella Kovacs, Artur George Găman, Angelica Călămar, Daniel Pupăzan and Cristian Nicolescu. PERSONALITY AND OCCUPATIONAL STRESS
	IN THE FIELD OF MINE RESCUE AND INTERVENTION
2.	Iosif Moraru Roland, Gabriel Bujor Băbut, Mihai Popescu-Stelea and Marius
	Simion Morar. A MODEL FOR INTEGRATING WORK SAFETY INTO THE DESIGN OF TECHNICAL EQUIPMENTS
3.	Nicoleta Paula Neag and Alin Gaureanu. ASPECTS ABOUT THE IMPLEMENTATION OF THE OCCUPATIONAL SAFETY AND HEALTH
	STRATEGY IN ROMANIA
4.	Nicoleta Paula Neag. A COMPARISON STUDY OF THE ROMANIAN
- 4.	OCCUPATIONAL SAFETY AND HEALTH STRATEGY WITH OTHER
	EUROPEAN COUNTRIES' STRATEGY
5.	Olivia Negoita, Oana Chivu, Claudiu Babis and Alina Gligor. RESEARCHES
5.	ON THE ERGONOMIC DESIGN OF THE WORKPLACE FOR THE CAR
	DRIVER PROFESION
6.	Vlad Mihai Pasculescu, Emilian Ghicioi, Marius Simion Morar, Marius
	Cornel Suvar and Nicolae Ioan Vlasin. CONSEQUENCE MODELLING OF
	A TRUCK EXPLOSION

FRIDAY, JUNE 7th, 2019 ROOM 12: Academic Meeting Center, 6 Banatului St 9:00 - 10:30

Chairmen: George Artur Găman, Janusz Grabara, Mihaela Rotaru

1.	Mihai Popescu-Stelea, Roland Iosif Moraru, Gabriel Bujor Băbuț and Lucian Lupu-Dima. AN EXPORATORY STUDY ON WORKPLACE ACCIDENTS
	AND ILLNESSES COST ANALYSIS TOOLS
2.	Vincenzo Torretta, Marco Barozzi, Luca Talamona, Sabrina Copelli, Fabio Conti, Elena Cristina Rada, Paolo Viotti and Marco Schiavon. IMPORTANCE OF EXPERIMENTAL TESTS FOR THE DETERMINATION OF MODELING PARAMETERS IN FIRE SAFETY ENGINEERING
3.	Marco Schiavon, Luca Adami, Elena Magaril and Marco Ragazzi. INDOOR CO2: POTENTIAL CRITICALITIES AND SOLUTIONS
4.	Joanna Tabor. USING THE GREY-TOPSIS METHOD TO ASSESS THE FUNCTIONING OF THE OCCUPATIONAL RISK MANAGEMENT
5.	Cristian Tomescu, Doru Cioclea, Emeric Chiuzan, Adrian Matei and Razvan Dragoescu. RESEARCH ON THE PHENOMENON OF EXPLOSIVE GAS OCCURRENCE IN DRILLS FOR AN ENGINEERING BUILDING – CASE STUDY.
6.	Gabriel Vasilescu, Robert Laszlo, Attila Kovacs, Ilie Ciprian Jitea, Daniela Carmen Rus, Cristian Radeanu and Claudia Miron. DETERMINATION OF THREATS TRACEABILITY IN THE USE OF EXPLOSIVE MATERIALS IN DIFFERENT ENVIRONMENTS

SESSION 13 - ACADEMIC EDUCATION AND MANAGEMENT

THURSDAY, JUNE 6th, 2019 ROOM 11:Academic Meeting Center, 6 Banatului St 15:00 - 16:30

Chairmen:Cristian Doicin,Daniela Cretu, Alina Mag

	Ana Maria Alecusan, Andrei Dimitrescu and George Adir. IMPROVEMENT
1.	OF THE NATIONAL RESEARCH, DEVELOPMENT AND INNOVATION
	STRATEGY 2014-2020 IN COMPARISON WITH THE NATIONAL
	RESEARCH, DEVELOPMENT AND INNOVATION STRATEGY 2007-2013
2	Dorel Badea, Gabriel Manescu, Dumitru Iancu, Olga Bucovetchi and Anca
۷.	Dinicu. CIVILIAN – MILITARY INTERFERENCES IN THE MANAGEMENT
	OF RESEARCH FOR THE SECURITY AND DEFENSE FIELD

3.	Daniela-Maria Crețu. DESIGNING RIGOROUS AND RELEVANT
	LEARNING EXPERIENCES FOR FUTURE TEACHERS
1	Daniela-Maria Crețu. GAINING INSIGHT INTO THE TEACHING
4.	PROFESSION BY USING FILM: A PRESERVICE TEACHERS'
	EXPERIENCE
5.	Anca Drăghici. EDUCATION FOR SUSTAINABLE DEVELOPMENT
6.	Jakub Drobnik. LEGAL AWARENESS AS A FACTOR TO ESTABLISH
	ENTREPRENEURSHIP

THURSDAY, JUNE 6th, 2019 ROOM 11:Academic Meeting Center, 6 Banatului St 16:45 - 19:00

Chairmen:Cristian Doicin,Daniela Crețu, Alina GeorgetaMag

	Tomasz Lis. METHODS OF ACADEMIC EDUCATION IN THE FIELD
_	
7.	OCCUPATIONAL SAFETY AND HEALTH ANALYSIS OF APPLIED
	SOLUTIONS IN THE OPINION OF STUDENTS, EMPLOYEES AND
	EMPLOYERS
8.	Alina Georgeta Mag. THE VALUE OF STUDENTS' FEEDBACK
0	Eduard Mihai. COMPARATIVE ANALYSIS OF THE MILITARY PILOTS
9.	TRAINING PROGRAMS IN THE ROMANIAN AIR FORCE AND THE
	POLISH AIR FORCE
	Eduard Mihai and Ioan Dănuț Balos. VULNERABILITIES IN THE
10.	
	ROMANIAN MILITARY PILOTS TRAINING SYSTEM MANIFESTED
	DURING THE INITIAL FLIGHT TRAINING PROCESS
11.	Gina-Maria Moraru and Daniela Popa. PROPOSALS FOR A MORE
	CREATIVE EDUCATION SYSTEM
	Małgorzata Rembiasz and Paulina Siemieniak. THE IMPORTANCE OF
12.	KNOWLEDGE IN THE PROCESS OF SHAPING THE
	ENTREPRENEURIAL ATTITUDES OF YOUNG PEOPLE
13.	Małgorzata Rembiasz. COMPETENCES IN EDUCATING POTENTIAL
	ENTREPRENEURS. RESEARCH AMONG STUDENTS OF TECHNICAL
	ENTREPRENEURS. RESEARCH AMONG STUDENTS OF TECHNICAL
14.	ENTREPRENEURS. RESEARCH AMONG STUDENTS OF TECHNICAL FACULTIES Mariusz Sroka. APPLICATION OF E-LEARNING IN ACADEMIC
14.	ENTREPRENEURS. RESEARCH AMONG STUDENTS OF TECHNICAL FACULTIES Mariusz Sroka. APPLICATION OF E-LEARNING IN ACADEMIC EDUCATION ON THE DIRECTION OF SAFETY AND HYGIENE OF
14.	ENTREPRENEURS. RESEARCH AMONG STUDENTS OF TECHNICAL FACULTIES Mariusz Sroka. APPLICATION OF E-LEARNING IN ACADEMIC

Mihaela Ulmeanu, Cristian Doicin, Liviu Roşca, Allan Rennie, Tom Abram and Paula Bajdor. TECHUB 4.0 - TECHNOLOGY AND ENTREPRENEURSHIP EDUCATION FOR BRIDGING THE GAP IN SMART PRODUCT DEVELOPMENT

SESSION 14 – TRAINING WORKFORCE SKILLS IN DIGITALIZATION ERA OF FACTORY OF THE FUTURE

THURSDAY, JUNE 6th, 2019 ROOM: IM 219, Faculty of Engineering, 4 Emil Cioran St 16:45 - 19:00

Chairmen: Adrian Florea, Ioana Cofaru

1.	Daniel Volovici and Daniel-Cristian Crăciunean. MM-DSL, SUPPORT FOR IMPLEMENTING MODELING TOOLS FOR MANUFACTURING PROCESSES
2.	Adrian Florea. DIGITAL DESIGN SKILLS FOR FACTORIES OF THE FUTURE
3.	Ion Mironescu. AN ADOxx BASED ENVIRONMENT FOR PROBLEM BASED LEARNING IN MANUFACTURING SYSTEMS DESIGN

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