

# **19th DAAAM International Symposium on Intelligent Manufacturing and Automation (DAAAM 2008)**

Focus on Next Generation of Intelligent  
Systems and Solutions

Trnava, Slovakia  
22-25 October 2008

Volume 1 of 2

**Editor:**

**B. Katalinic**

ISBN: 978-1-5108-4000-3

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© (2008) by Danube Adria Association for Automation and Manufacturing (DAAAM)  
All rights reserved.

Printed by Curran Associates, Inc. (2017)

For permission requests, please contact DAAAM International Vienna  
at the address below.

DAAAM International Vienna  
Karlsplatz 13/311, A-1040  
Wien, Austria, European Union

Phone: 0043-1-58801-31121  
Fax: 0043-1-58801-31199

secretary@daaam.info

**Additional copies of this publication are available from:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571 USA  
Phone: 845-758-0400  
Fax: 845-758-2633  
Email: curran@proceedings.com  
Web: www.proceedings.com



# CONTENTS

KATALINIC B.: DAAAM INTERNATIONAL NETWORK: BACKGROUND, HISTORY, AIMS, STRUCTURE,  
 ACTIVITIES & FUTURE  
 AUTHOR INDEX  
 SUBJECT INDEX

## PLENARY SECTION – KEY NOTE LECTURES:

**Branko Katalinic**

*Machine Intelligence and Wisdom of Man*

**Alexey Eliseev**

*Message to Young Researchers and Scientist*

**Stanislav Karapetrovic**

*Augmentation and Integration of Standardized Management*

**Chris Smallbone**

*Welding in the World and the Future*

*(The lecture will be published in DAAAM International Scientific Book 2009)*

Page	<b>A</b>
0003	<b>Adamcikova, A. &amp; Taraba, B.</b> <i>Application of the C-Test Methodology for the Validitation of Boundary Condition for Oil Quenching Process</i>
0005	<b>Agic, D.; Mandic, L.; Strgar Kurecic, M. &amp; Stanic, N.</b> <i>The Implementation of Acromatic Principles in Reproduction and Black Printer Changes</i>
0007	<b>Aisman, D.; Jirkova, H.; Skalova, L. &amp; Masek, B.</b> <i>Testing of the Parametres of the Q-P Process in High Strength Low-Alloyed Steel</i>
0009	<b>Albut, A.</b> <i>The Sheet Thickness Effect on Springback Amount of a Part Made from Tailor Welded Stripes</i>
0011	<b>Alecu, A.; Boiangiu, M. &amp; Buracu, V.</b> <i>Dynamic Characteristics of Spatial Pipe System by Semianalytical Method</i>
0013	<b>Alexandru, C. &amp; Pozna, C.</b> <i>Improving the Energetic Efficiency of the Photovoltaic Arrays using Mechatronic Solar Trackers</i>
0015	<b>Alexei, A.; Tomoiaga, T.; Marinescu, M. &amp; Badea, A.</b> <i>Algorithms for Automatic/Semiautomatic Geographic Data Acquiring and Error Assessment</i>
0017	<b>Almeida, H. &amp; Bartolo, P.</b> <i>Scaffolds, Biomanufacturing, Tissue Engineering, Biomaterials, Computer Aided Design of Scaffolds</i>
0019	<b>Anania, F.D.; Zapciu, M. &amp; Mohora, C.</b> <i>Modeling of the Pc Mill100 Machine Tool and Milling Process using Delmia V5R17</i>

0021	<b>Anghel, A.; Sarbu, I. &amp; Scurtu, D.</b> <i>Virtual Instrumentation in Data Acquisition and Analysis of Tool Wear Monitoring</i>
0023	<b>Anghel, C.; Petropoulos, G.; Vaxevanidis, N. &amp; Dasic, P.</b> <i>Statistical Modeling of Basic Machinability Parameters in Drilling of Metals</i>
0025	<b>Anghel, F.; Cazacu, D.A. &amp; Dobrescu, T.</b> <i>Virtual Machine Tools Models in Assembling Systems Material Flow Management</i>
0027	<b>Anthymidis, K.; Agrianidis, P.; David, K. &amp; Agrianidis, A.</b> <i>Production of Aluminum-Steel Alloy Matrix Composites by the Stir-Casting Method</i>
0029	<b>Anton, L.E.; Stuparu, A.; Muntean, S. &amp; Baya, A.</b> <i>3D Numerical Simulation of the Turbulent Flow in an Inducer</i>
0031	<b>Argesanu, V.; Jula, M.; Luchin, M. &amp; Radu, A.</b> <i>Lip Seals and Mechanical Face Seals – Performance Criteria</i>
0033	<b>Argesanu, V.; Luchin, M.; Jula, M. &amp; Margineanu, D.</b> <i>Considerations upon the Circular Section Circlips/Retaining Rings Axial Load-Carrying Capacity</i>
0035	<b>Aryassov, G. &amp; Petritshenko, A.</b> <i>Analysis of Stress Distribution in Roots of Bolt Threads</i>
0037	<b>Atanasiu, C.; Iliescu, N. &amp; Pastrama, S.D.</b> <i>Design and Testing of a Transducer for Measuring the Loads on the Rollers of a Crane Carriage</i>
0039	<b>Atanasiu, V.</b> <i>An Analytical Investigation of the Shared Friction Loads of Spur Gear Pairs</i>
0041	<b>Avram, L.; Savu, L.; Vancea, S.; Ignat, A.; Horja, I.M. &amp; Avram, C.</b> <i>Tax Burden in Business Climate</i>
0043	<b>Ayyaz, A.; Maruf, H. &amp; Van Voorthuysen, E.J.</b> <i>Rp Technology: Why Limited Uptake in Sme'S?</i>
	<b>B</b>
0045	<b>Bachvarov, A.; Maleshkov, S. &amp; Boyadjiev, I.</b> <i>Efficient Virtual Reality Projection Scheme for Product Design Engineering</i>
0047	<b>Badea, A.; Dana, I.F.; Moise, C.; Mamulea, A.A.; Olteanu, V.G. &amp; Poenaru, V.D.</b> <i>Land Cover Gis Databases, Support for the Implementation of the European Agriculture and Environment Programs</i>
0049	<b>Badea, A.; Moise, C.; Dana, I.F.; Olteanu, V.G.; Mamulea, A.A. &amp; Badea, R.</b> <i>Complex Method for Developing the Digital Geomorphologic Map of Romania at 1:200.000 Scale</i>
0051	<b>Badea, R.; Bagu, C.; Voicu, V.; Lungu, A. &amp; Moise, C.</b> <i>Introducing Gis in Marketing Analysis and Sales Management</i>
0053	<b>Bagimov, I.; Konobritskiy, D. &amp; Kramar, V.</b> <i>Software Product “Distedu” for Distance Education Lessons</i>
0055	<b>Bal, C. &amp; Bal, N.</b> <i>The Friction Effect in one Serial Sonic Circuit Formed by one Small Condenser and a Friction Resistance</i>
0057	<b>Bal, C. &amp; Bal, N.</b> <i>The Friction Effects in the Sonic Serial Circuit (Small Condenser and one Friction Resistance)</i>
0059	<b>Balasoii, V.; Bordeasu, I.; Popoviciu, M.O.; Gombos, R. &amp; Gombos, M.</b> <i>The Cavitation Phenomenon in the Flow Zone Distributor Body-Spool Valve</i>
0061	<b>Balate, J.; Navratil, P. &amp; Chramcov, B.</b> <i>Computer Aided Education in Area of Automatic Control: Caac Information System</i>
0063	<b>Balc, N.; Berce, P. &amp; Pacurar, R.</b> <i>Cad for Optimal Scaling of the 3D Model, To Compensate the SIs Post-Processing Errors</i>
0065	<b>Baltes, L.; Tiorean, M. &amp; Eftimie, L.</b> <i>Advanced Design of High Pressure Die Casting Moulds</i>
0067	<b>Baltes, L.; Tiorean, M. &amp; Eftimie, L.</b> <i>High Speed Machining with Internet Monitoring</i>
0069	<b>Bancila, D. &amp; Buzatu, C.</b> <i>A Hybrid Algorithm To Minimize the Number of Tardy Jobs in Single Machine Scheduling</i>
0071	<b>Bandrabur, D.L.; Bejan, M.; Muntean, A.; Moroianu, C. &amp; Samoilescu, G.</b> <i>Improving Structural Behavior of a Medical Rod</i>
0073	<b>Banerjee, S. &amp; Wimpenny, D.</b> <i>Laser Printing of Soluble Toner for Rapid Manufacturing</i>
0075	<b>Barborak, O.; Cervenansky, J.; Bozek, P.; Mihok, J.; Rybansky, R. &amp; Tothova, M.</b> <i>Numeric Expression of the Quality of Production Technology</i>
0077	<b>Baritz, M. &amp; Cristea, L.</b> <i>Tracking Capture in Video Motion</i>
0079	<b>Begic, D.; Bijelonja, I.; Kulenovic, M. &amp; Cekic, A.</b> <i>Transient Evaporative Laser Cutting with Finite Volume Method</i>
0081	<b>Behulova, M.</b> <i>Comparison of Differently Shaped Testing Specimens for Simulation of Thermomechanical Cycles</i>
0083	<b>Beju, L.D. &amp; Brindasu, P.D.</b> <i>Methodology for Organizing E-Creative Research and E-Creative Design Sessions</i>
0085	<b>Belak, S.; Radman Pesa, A. &amp; Belak, B.</b> <i>Stylometry – Definition and Development</i>
0087	<b>Beles, H.; Preda, I.; Dragomir, G.; Blaga, V. &amp; Ardelean, F.</b> <i>Theoretical Research Regarding the Active Safety Systems</i>

0087	<b>Beles, H.; Preda, I.; Dragomir, G.; Blaga, V. &amp; Ardelean, F.</b> <i>Theoretical Research Regarding the Active Safety Systems</i>
0089	<b>Benak, M.; Buransky, I. &amp; Turna, M.</b> <i>Determination of Strain via 3D Scanning in a Bimetal Fabricated by Explosion Welding</i>
0091	<b>Benga, G. &amp; Ciupitu, I.</b> <i>The Influence of Coating and Tool Geometry on the Tool Life in a Thread Cutting Process</i>
0093	<b>Berce, P.; Pacurar, R.; Balc, N. &amp; Paclisan, D.</b> <i>SIs Parameters Optimization using the Taguchi Method</i>
0095	<b>Beznak, M.; Chaus, A. &amp; Bajcicak, M.</b> <i>Analysis of Cast Tool Steel of 55Nrcmov7 Type Cast in Precision Ceramic Mould</i>
0097	<b>Biclesanu, C.; Cherlea, I.V. &amp; Yassin, A.</b> <i>Expert Systems for the Dental Aesthetic</i>
0099	<b>Bilik, J.; Ridzon, M. &amp; Suba, R.</b> <i>The Tool Steel Surface Layer Strengthening by Shot Peening</i>
0101	<b>Biris, C.; Deac, C. &amp; Tera, M.</b> <i>Aspects of Optimising the Positioning and Contouring Precision of CNC Laser Cutting Machines</i>
0103	<b>Blaga, F.S.; Pop, A.; Stanasel, I. &amp; Pantea, I.</b> <i>The Use of Fuzzy Coloured Petri Net in Modeling and Simulation of Flexible Manufacturing Cell</i>
0105	<b>Blaga, V.; Bara, C.; Bara, V.; Bara, L. &amp; Gitea, M.</b> <i>The Mathematical Modelling of the Electronic Injection Gasoline</i>
0107	<b>Blaga, V.; Bara, L.; Bara, C.; Bara, V. &amp; Carbunar, M.</b> <i>The Determination of the Injections Duration for the Model Suggested by the Authors</i>
0109	<b>Blaga, V.; Bara, L.; Bara, C.; Bara, V. &amp; Domuta, C.</b> <i>The Experimental Stand of Engines with Gasoline Injection</i>
0111	<b>Blaga, V.; Bara, V.; Bara, C.; Bara, L. &amp; Borza, I.</b> <i>The Variation of the Parameters Technic and Economic with the Speed and the Airs Excess Coefficient</i>
0113	<b>Blaga, V.; Teusdea, A.C.; Chioreanu, N.; Catas, A. &amp; Haruta, O.</b> <i>The Differential Equation of the Electromagnetic Injection Period</i>
0115	<b>Blidisel, R.; Popa, A.; Farcane, N. &amp; Fulconis, F.</b> <i>Disclosure Level of Risk Management Information: the Case of Romanian Companies</i>
0117	<b>Bliedtner, J.; Buerger, W. &amp; Froehlich, M.</b> <i>Ultra-Precision Machining of Optical Surfaces with Slow-Tool Servo</i>
0119	<b>Bogdan, C.; Bogdan, M.L.; Popa, D. &amp; Gherghina, G.</b> <i>Experimental Research About Dynamics Behaviour of Landing Gear</i>
0121	<b>Boiangiu, C.A. &amp; Cananau, D.C.</b> <i>Combined Approaches in Automatic Page Clustering</i>
0123	<b>Boiangiu, C.A. &amp; Dvornic, A.I.</b> <i>Modern Preprocessing Techniques for Automatic Content Conversion Systems</i>
0125	<b>Boiangiu, C.A. &amp; Raducanu, B.</b> <i>Effects of Data Filtering Techniques in Line Detection</i>
0127	<b>Boiangiu, C.A.; Bucur, I. &amp; Dvornic, A.I.</b> <i>The "Beta-Star Shape" Algorithm for Document Clipping</i>
0129	<b>Boiangiu, C.A.; Bucur, I. &amp; Spataru, A.C.</b> <i>Statistical Approaches Used in Automatic Merge of Scanned Images</i>
0131	<b>Boiangiu, C.A.; Cananau, D.C. &amp; Dvornic, A.I.</b> <i>White-Space Detection Techniques Based On</i>
0133	<b>Boiangiu, M. &amp; Alecu, A.</b> <i>Bending Vibrations of Bars with Axial Forces</i>
0135	<b>Boiangiu, M. &amp; Alecu, A.</b> <i>Study of Vibrations of Plane Bars Systems by Using</i>
0137	<b>Boieriu, C.; Curtu, I.; Timar, M.C. &amp; Lica, D.</b> <i>Quality of Finished Surfaces for Lignin-Cellulose Based Materials</i>
0139	<b>Bolanca Mirkovic, I. &amp; Bolanca, Z.</b> <i>Recycling of the Aged Offset Prints</i>
0141	<b>Bolfa, T.E.</b> <i>Particularities of the Ehd Lubrication System in the Case of Point Contact</i>
0143	<b>Bordea, N.; Sintea, S.; Moraru, S.A. &amp; Kristaly, D.M.</b> <i>Serial Data Communication Connection Over Gsm Data Channel</i>
0145	<b>Bordeasu, I.; Anton, L.E.; Baya, A. &amp; Jurchela, A.</b> <i>The Necessity of Considering Cavitation Erosion a Mechanic Phenomena, Against Chemical Corosion</i>
0147	<b>Bordeasu, I.; Ghiban, B.; Popoviciu, M.O.; Balasoiu, V.; Birau, N. &amp; Karabenciov, A.</b> <i>The Damage of Austenite - Ferrite Stainless Steels by Cavitation Erosion</i>
0149	<b>Bota, J.; Milcic, D. &amp; Donevski, D.</b> <i>Analysis of the Subjective Quality Estimation of Photo Prints with Reduced Jpeg Qulity</i>
0151	<b>Botezatu, C.; Botezatu, C.P. &amp; Carutasu, G.</b> <i>Conformity Issues for Health and Safety at Work – Part of Integrated Management Systems</i>
0153	<b>Botezatu, E. &amp; Botezatu, M.A.</b> <i>Technical Education and Economic Development in the New Member States: Romania Case Study</i>
0155	<b>Botezatu, M.A. &amp; Botezatu, E.</b> <i>Migration of Labour Force in Romania</i>
0157	<b>Bozek, P.; Moravcik, O.; Stollmann, V.; Suriansky, J.; Prajova, V. &amp; Walekova, G.</b> <i>Virtual Program Imported into the Real Technological Workplace</i>

0161	<b>Brabie, G. &amp; Radu, M.</b> <i>Factors and Causes That Influence the Springback Intensity in the Case of Conical Draw Parts</i>
0163	<b>Braun, B.; Beca, P.; Olteanu, C. &amp; Gheorghe, G.</b> <i>On the Post Process Dimensional Control Aided by Computer</i>
0165	<b>Bretcu, A.</b> <i>Applying Benchmarking in Romanian Enterprises</i>
0167	<b>Bucur, G.; Popescu, C. &amp; Popescu, C.</b> <i>Neural Network Control for Wig Welding Processes</i>
0169	<b>Bucuresteanu, A.</b> <i>Modeling and Simulation of Hydraulic Systems with Pressure Inter-Conditioning Consumers</i>
0171	<b>Budzik, G.; Markowska, O. &amp; Markowski, T.</b> <i>Stl Files Parameters of the Selective Objects for Rapid Prototyping</i>
0173	<b>Budzik, G.; Miechowicz, S.; Dziubek, T. &amp; Markowska, O.</b> <i>Rapid Prototyping Methods Adapted To Accuracy Compatibility Analysis of Skull Decrease</i>
0175	<b>Bujdei, C.; Moraru, S.A.; Dan, S.; Sisak, F. &amp; Vulpe, A.D.</b> <i>Use Wireless Sensor Networks for Patients in Home Monitoring – Data Flow</i>
0177	<b>Bunjaku, J.; Krasniqi, F.; Fejzullahu, X.; Muhaxheri, M. &amp; Muriqi, A.</b> <i>Design of Ventilation Duct with Minimal Flow Resistance</i>
0179	<b>Burca, I.; Tofan, M.; Purcarea, R.; Chiru, A. &amp; Micu, I.</b> <i>Human Multibody Model Used in Athletics</i>
0181	<b>Butnariu, S.</b> <i>Aspects of Development of Planetary Mechanism using Synchronous Belts Drive</i>
0183	<b>Buzatu, C. &amp; Bancila, D.</b> <i>The Influence of the Constructive and Technological Parameters of the Tool System on the Surface Finish at Grinding</i>
0185	<b>Buzera, M.; Prostean, G. &amp; Stefan, C.</b> <i>Assesment Techniques of the Products on the Basis of Shape Analysis</i>
	<b>C</b>
0187	<b>Caganova, D.</b> <i>Syllabus Design</i>
0189	<b>Calbureanu, M.; Malciu, R.; Lungu, M. &amp; Lungu, R.</b> <i>Advanced Machining Technologies for Air-Craft Component Parts with Thin Walls</i>
0191	<b>Cambal, M.</b> <i>Creating of Optimal Corporate Culture Through Complex Training Program</i>
0193	<b>Cambal, M. &amp; Hoghova, K.</b> <i>Corporate Culture Application in Enterprises as Assumption Their Long-Term Prosperity</i>
0195	<b>Cananau, S. &amp; Stoica, G.F.</b> <i>Pitting Modeling of a Spur Gear in Mesh</i>
0197	<b>Candrlic, S.; Pavlic, M. &amp; Pavlic, D.</b> <i>Dependence of the Number of Developers and the Number of Errors in Team Software Development</i>
0199	<b>Capek, J.</b> <i>Dependability and Security of the Information Systems</i>
0201	<b>Carausu, C.; Pruteanu, O.; Sarbu, I.; Nedelcu, D. &amp; Pricope, C.</b> <i>The Influence of Technological Factors upon the Accuracy and Quality of the Cold Plastic Deformation Revolution Surfaces</i>
0203	<b>Carausu, C.; Sarbu, I.; Pruteanu, O.; Gramescu, T.; Nedelcu, D. &amp; Husanu, V.</b> <i>Residual Tensions in Cold Plastic Deformed Surfaces</i>
0205	<b>Carutasu, G.; Botezatu, C. &amp; Botezatu, C.P.</b> <i>Knowledge Management System for Implemententing Integrated Management in Romanian Industry</i>
0207	<b>Catana, D.; Popescu, R. &amp; Catana, D.</b> <i>Residual Stress Calculation for Butt Welding</i>
0209	<b>Catana, D.; Scarneciu, I. &amp; Popescu, R.</b> <i>Thermal Treatment Influence on Micro Hardness Titanium Alloy Biomaterials</i>
0211	<b>Catana, D.</b> <i>Temperature Range Determination for Butt Welding</i>
0213	<b>Catana, D.</b> <i>Traction Behaviour Simulation of Spot Welded Joints</i>
0215	<b>Catana, R.; Cican, G.; Predoiu, C.; Silivestru, V. &amp; Rugescu, R.D.</b> <i>Numerical Proof of Calorimeter Chemical Freezing</i>
0217	<b>Catas, A.; Chioreanu, N. &amp; Blaga, V.</b> <i>The Mathematical Modelling of the Work Spaces with Variable Volume in the Wankel Rotary Engine Case</i>
0219	<b>Catrina, D.; Ghionea, A.; Constantin, G. &amp; Lungu, B.</b> <i>Formalism of Industrial Robots Kinematics Applied To Numerical Command Lathes</i>
0221	<b>Caus, A.; Beznak, M. &amp; Caplovic, L.</b> <i>Foundry Technologies and Materials for Cast Cutting Tools</i>
0223	<b>Cehajic, A.; Kovacevic, D. &amp; Stimac, I.</b> <i>Inter – Vehicle Ad – Hoc Communication Protocol for Acquiring Local Traffic Information</i>
0225	<b>Cekic, A.; Kulenovic, M. &amp; Begic, D.</b> <i>Roughness as Parameter of Cut Quality during CO2 Laser Cutting of High Alloy Steel for the Special Purpose</i>
0227	<b>Celar, S. &amp; Gotovac, S.</b> <i>Erp Solution Implementation Framework for Small and Medium Enterprises</i>
0229	<b>Cernecky, J.; Koniar, J.; Brodnianska, Z. &amp; Prajova, V.</b> <i>Interferometric Research of the Flow Within A Tube Bank at Low Reynolds Number Values</i>

0231	<b>Charvatova, H.; Janacova, D.; Kolomaznik, K. &amp; Fialka, M.</b> <i>The Software Application for Mathematic Description Of Extraction Process Course</i>
0233	<b>Chioncel, C.; Chioncel, P. &amp; Gillich, N.</b> <i>Scalar Control Structure of an Asynchronous Motor at Maximum Torque</i>
0235	<b>Chioreanu, N.; Catas, A. &amp; Blaga, V.</b> <i>The Determination of the Volume Function Variation of Panu-Stanescu Rotary Engine</i>
0237	<b>Chira, F.; Banica, M. &amp; Lobontiu, M.</b> <i>On the Variation of the Functional Parameters of the Asymmetric Gears on Relation with the Designing Variables</i>
0239	<b>Chiriacescu, S.; Rosca, I.; Balcu, I. &amp; Dinita, I.</b> <i>On Choosing the Nonlinear Dynamic Vibration Absorber</i>
0241	<b>Chirilus, A.A.; Stoica Guzun, A.; Stroescu, M.; Dobre, T. &amp; Tache, F.</b> <i>Encapsulation of Vanilin in Agar Beds for Controlled Release</i>
0243	<b>Chirita, B.</b> <i>Sheet Metal Forming Optimisation for the Reduction of Springback</i>
0245	<b>Chiru, A.; Goia, I.; Modrea, A.; Purcareea, R.; Guiman, M.V. &amp; Burca, I.</b> <i>Effect of the Geometric, Structural and Dimensional Differences To Fiber Reinforced Composites</i>
0247	<b>Chita, M.A.; Sima, I.; Stirbu, C. &amp; Ghita, C.</b> <i>Opto-Electronic System with Optical Fibres Sensor for Ionic Concentration Measurement into Sanguine Serum</i>
0249	<b>Cibulka, V.</b> <i>Active Process Improvement in a Montage Enterprise</i>
0251	<b>Cigula, T.; Mahovic Poljacek, S. &amp; Gojo, M.</b> <i>Analysis of the Silver Halide Printing Plates After Printing Process</i>
0253	<b>Cioata, V.G.</b> <i>Determining the Machining Error Due To Workpiece - Fixture System Deformation using the Finite Element Method</i>
0255	<b>Cioban, H. &amp; Pop, N.</b> <i>Some Aspects Regarding the Information and the Quality Management in a CAD Services Company</i>
0257	<b>Ciobanu, M.</b> <i>Magnetic Fluid Grinding (Mfg) of Internal Rotating Surfaces</i>
0259	<b>Ciobanu, R.M.; Cohal, V.; Sarbu, I. &amp; Ivascu, C.</b> <i>Rom@It Project – the Design Framework of a Robotic Welding System</i>
0261	<b>Ciofu, C.; Carausu, C.; Nedelcu, D. &amp; Filip, I.</b> <i>Nc Gringing Machine – Implementation Onto Classic Machine</i>
0263	<b>Ciotea, V.F.; Ciotea, M. &amp; Rahau, L.</b> <i>Reliability Optimisation for Flexible Manufacturing System by using Intelligent Agents</i>
0265	<b>Circiumaru, A.; Andrei, G.; Birsan, I.G. &amp; Dima, D.</b> <i>Carbon Fiber Based Filled Epoxy Composites</i>
0267	<b>Circiumaru, A.; Birsan, I.G.; Andrei, G. &amp; Diaconu, N.</b> <i>Stratfied Hybrid Composites</i>
0269	<b>Circiumaru, A.; Birsan, I.G.; Andrei, G.; Bria, V. &amp; Crudu, L.</b> <i>Influence of Reinforcement on the Properties of Filled Epoxy Composites</i>
0271	<b>Ciucescu, D. &amp; Simionescu, G.</b> <i>A Restricting Approach of the Rapid Prototyping by Material Accretion</i>
0273	<b>Ciupan, C.; Morar, L. &amp; Ciupan, E.</b> <i>Innovative System with Abrasive Water Jet</i>
0275	<b>Ciupan, E.</b> <i>Software Designed for Modelling and Simulating using Three-Layer Neural Networks</i>
0277	<b>Ciupan, E.; Itul, T.; Morar, L. &amp; Ciupan, C.</b> <i>A Model for the Kinematical Analysis of a Three Degrees of Freedom Mechanism</i>
0279	<b>Ciupe, V.; Dehelean, N. &amp; Maniu, I.</b> <i>Distributed Concentrator for Solar Power Generation</i>
0281	<b>Ciupitu, L.; Simionescu, I. &amp; Ivanescu, A.N.</b> <i>Optimum Synthesis of Motion Laws Used by Robot Controllers</i>
0283	<b>Cociu, N.; Ignaton, E. &amp; Taroata, A.</b> <i>Some Possibilities of Optimization in the Romanian Firm Management</i>
0285	<b>Cocorada, S. &amp; Szekely, I.</b> <i>Improving the Reliability of Multicast Transmissions in Ieee 802.11 Wireless Lans</i>
0287	<b>Coculescu, C. &amp; Coculescu, C.C.</b> <i>Approaching of Balancing Problem Through Simulation</i>
0289	<b>Cohal, V. &amp; Serb, A.</b> <i>The Hardness of the Surface After the Flat Lapping</i>
0291	<b>Cohal, V.; Serb, A. &amp; Ciobanu, R.M.</b> <i>Experimental Researches Concerning Lapping of Flat Surfaces</i>
0293	<b>Colic, M. &amp; Muminovic, A.</b> <i>Crane'S Driving Mechanism Warm Up Temperature Calculation for Brakes with Two Shoes</i>
0295	<b>Coman, D.</b> <i>Using Petri Nets in the Soccer Robot Control Architecture</i>
0297	<b>Coman, D.; Vrinceanu, N. &amp; Grigoriu, A.</b> <i>Wettability Monitoring by Surface Modification with Femtosecond Laser Irradiation</i>
0299	<b>Comaneci, R.; Zaharia, L. &amp; Chelariu, R.</b> <i>Achieving High Temperature Deformation for Al-Mg Alloys Processed by Severe Plastic Deformation</i>
0301	<b>Comanescu, A.; Comanescu, D.; Filipoiu, I.D. &amp; Alionte, C.G.</b> <i>About Spatial Rigid Memory Characteristics</i>
0303	<b>Comanescu, D.; Comanescu, A.; Filipoiu, I.D. &amp; Alionte, C.G.</b> <i>A New Heat Pipe Cooling Device</i>
0305	<b>Cosic, I.; Radakovic, N.; Simeunovic, N. &amp; Lalic, B.</b> <i>Creating the Service Product by Applying the General Work Procedure Model</i>

0307	<b>Cosoi, A.C.; Sgarciu, V. &amp; Vlad, M.S.</b> <i>Build Your Antiphishing Technology in Just 5 Minutes</i>
0309	<b>Cosoi, A.C.; Sgarciu, V. &amp; Vlad, M.S.</b> <i>Introducing Syntactic Features into a Bayesian Classifier</i>
0311	<b>Cosoi, A.C.; Vlad, M.S. &amp; Sgarciu, V.</b> <i>Heuristic Image Recognition</i>
0313	<b>Costache, B.M.; Adamescu, D. &amp; Funar, S.P.</b> <i>Quality and Risk Management Activities in Virtual Organization</i>
0315	<b>Cotet, C.E.; Dragoi, G. &amp; Abaza, B.</b> <i>Groundhog Day Versus Butterfly Effect Revisited in Discrete Material Flow Management</i>
0317	<b>Cotetiu, R.; Eberst, O.; Alexandrescu, M.; Cotetiu, A. &amp; Ungureanu, N.</b> <i>Technical Development Program with Friendly Materials</i>
0319	<b>Covic, D. &amp; Covic, D.</b> <i>Change Management Within a Business System</i>
0321	<b>Cozminca, I.; Cozminca, M.; Ungureanu, C. &amp; Mihailide, M.</b> <i>Geometrical Analysis of the Tool'S Rake Angle at Cutting</i>
0323	<b>Cretu, G.; Nedelcu, D. &amp; Cretu, D.</b> <i>The Influence of the Geometric Parameters and Cutting Conditions on the Theoretic Deviations of Worms by Whirling Thread Device</i>
0325	<b>Crisan, G. &amp; Crisan, L.</b> <i>Business Organizations Based on Knowledge – an Answer To the Globalization of Information and of Technical Progress</i>
0327	<b>Cristea, L.</b> <i>Research Concerning the Improvement of Bearings Quality and Performances using Automatic Systems</i>
0329	<b>Croitoru, S.M.; Minciu, C. &amp; Constantin, G.</b> <i>Cutting Forces System for Deep Holes Boring</i>
0331	<b>Cronskaer, M.; Raennar, L.E.; Koptioug, A. &amp; Baeckstroem, M.</b> <i>Application of Electron Beam Melting To Titanium Hip Stem Implants</i>
0333	<b>Cruz, F.</b> <i>Micro Nano Manufacturing Technologies</i>
0335	<b>Cseki, L.B.; Drstvensek, I.; Balc, N. &amp; Kramberger, S.</b> <i>Development of a Continuous Passive Motion Device for Post Surgical Rehabilitation of the Knee</i>
0337	<b>Cuciumita, C.; Petcu, R.; Vilag, V. &amp; Stanciu, V.</b> <i>The Transformation of the Cfm 56-7 Turbofan into a Triple Flow Jet Engine; a Way of Reducing Noise Pollution</i>
0339	<b>Curak, I.</b> <i>Negotiatian-Based Multi-Agent System for Timetabling</i>
0341	<b>Curkovic, P.; Jerbic, B. &amp; Stipancic, T.</b> <i>Cooperative Coevolutionary Approach To Dual Arm Robots' Operation</i>
0343	<b>Curseu, D.; Popa, M. &amp; Sirbu, D.</b> <i>Risk Management Strategies Based on Experience from Nitrate Toxicity Case Study</i>
0345	<b>Curtu, I.; Stanciu, M. &amp; Savin, A.</b> <i>The Propagation of Forced Vibrations in Coupled Plates of Guitars</i>
0347	<b>Cus, F.; Zuperl, U. &amp; Gecevska, V.</b> <i>Cnc End Milling Optimization using Evolutionary Computation</i>
0349	<b>Cyklis, J.; Slota, A. &amp; Zajac, J.</b> <i>Complexity Theory in the Control of Assembly System</i>

## D

0351	<b>Dancsecz, G. &amp; Szabo, L.</b> <i>Success Factors and Criteria of International Sport Event Projects</i>
0353	<b>Danisoava, N.; Zvolensky, R. &amp; Velisek, K.</b> <i>Desing of Additional Check Station with Intelligent Camera System</i>
0355	<b>David, O.; Osiceanu, S. &amp; Mihai, V.M.</b> <i>Crediting Strategy for Small and Medium Companies in Romania in 2007</i>
0357	<b>Davidescu, A.; Savii, G. &amp; Sticlaru, C.</b> <i>Digital Image Processing in Scanning Electron Microscopy Analysis of Protective Coatings</i>
0359	<b>De Agustina, B.; Marin, M. &amp; Rubio, E.</b> <i>First Approach To the Analysis of the Surface Roughness Obtained during the Dry Turning of the Uns A97050-T7 Aluminium Alloy</i>
0361	<b>Deac, C.; Bibu, M.; Petrescu, V.; Tera, M. &amp; Biris, C.</b> <i>On the Assessment of the Quality of Casting Nonferrous Small-Size Parts by Numerical Simulation</i>
0363	<b>Deaconescu, A. &amp; Deaconescu, T.</b> <i>Pneumatic Muscle Actuated Gripper Systems</i>
0365	<b>Deaconescu, A. &amp; Deaconescu, T.</b> <i>Pneumatic Muscle Actuated Rotation Module for Rehabilitation Robots</i>
0367	<b>Deaky, B.</b> <i>Using Chained Records To Optimize the Preparation and Storage into Ram for Large Sets of Structural Data</i>
0369	<b>Dehelean, N.; Ciupe, V. &amp; Maniu, I.</b> <i>Modified Mechanism of a Stirling Engine for Use with Solar Power Generators</i>
0371	<b>Denkena, B.; Lorenzen, L.E. &amp; Schuermeyer, J.</b> <i>Realizing a Rule-Based Calculation System for Die Casting Moulds</i>
0373	<b>Denzinger, J.; Laureyns, I.; Frietsch, M.; Burger, W. &amp; Meckl, P.</b> <i>A Study of Reward Functions in Reinforcement Learning on a Dynamic Model of a Two-Link Planar Robot</i>
0375	<b>Dermanovic, I.; Barbaric Mikocevic, Z.; Dzimbeg Malcic, V. &amp; Cosic, K.</b> <i>Surfactants Influence on the Paper Optical Characteristics Exposed To Ageing</i>



0377	<b>Diaconescu, D.; Jaliu, C.; Neagoe, M. &amp; Saulescu, R.</b> <i>On a Generalized Algorithm of the Technical Product Conceptual Design</i>
0379	<b>Dinu, G.; Atanasiu, C.; Baci, F. &amp; Nutu, E.</b> <i>Study of Deformations in Ram-Boring Spindle</i>
0381	<b>Dinu, G.; Baci, F.; Vlasceanu, D. &amp; Draghici, S.</b> <i>Study the Strength and Stiffness of a Boring and Milling Machine Bed</i>
0383	<b>Djicic, M.; Cohodar, M.; Kulenovic, M. &amp; Voloder, A.</b> <i>Design of Mechatronics Application</i>
0385	<b>Dlapa, M.</b> <i>Robust Control of a Two Tank System</i>
0387	<b>Dobra, A.</b> <i>Method of Measuring Plantar Pressure with Resistive Sensors</i>
0389	<b>Dobre, D. &amp; Simion, I.</b> <i>Multi-Criteria Analysis of Elastic Couplings with Metallic Flexible Membranes</i>
0391	<b>Dobren, F.A.; Dumitrescu, C.D.; Istrat, N. &amp; Marinescu, S.A.</b> <i>Influence of the Photosynthesis on the Pollution With Carbon Dioxide in Timisoara</i>
0393	<b>Dobren, F.A.; Dumitrescu, C.D.; Lazarescu, C.; Istrat, N. &amp; Amariei, O.I.</b> <i>Optimization of the Production Structures</i>
0395	<b>Dobrescu, T. &amp; Anghel, F.</b> <i>Surface Grinding Method of Silicon Wafers</i>
0397	<b>Dobrescu, T. &amp; Dorin, A.</b> <i>Flattening Process of Silicon Wafers</i>
0399	<b>Dodun, O.; Ghenghea, L.; Sarbu, I. &amp; Coteata, M.</b> <i>Matlab Modeling of Material Surface Roughness Parameters at End Milling Process</i>
0401	<b>Dogaru, F. &amp; Baba, M.N.</b> <i>The Response Analysis of the CFRP Laminated Plates Due To Low Velocity Impact</i>
0403	<b>Dogaru, V.</b> <i>Modeling of Choice Through the Trade Costs Algorithm</i>
0405	<b>Doicin, C.; Ionescu, N. &amp; Tonoiu, S.</b> <i>The Elaboration of the Process Drawings Within the Generative CAPP Systems</i>
0407	<b>Doicin, C.; Tonoiu, S. &amp; Ionescu, N.</b> <i>The Selection of the Machine-Tools and Tooling Within the Generative CAPP Systems</i>
0409	<b>Dolecek, V.; Isic, S. &amp; Voloder, A.</b> <i>Experimental Damping Determination in Beam Bifurcation Process</i>
0411	<b>Dolga, L. &amp; Dolga, V.</b> <i>The Tensometric Force Sensor. Design, Evaluation and Optimal Selection</i>
0413	<b>Dolga, V.; Dolga, L. &amp; Filipescu, H.</b> <i>Analogy in Modelling Mechatronic Systems</i>
0415	<b>Dolga, V.; Dolga, L. &amp; Filipescu, H.</b> <i>Robotics, Rapid Control Prototyping and "Dspace" Hardware</i>
0417	<b>Dolinay, J.; Dostalek, P. &amp; Vasek, V.</b> <i>Simple Learning Kit for Microcontroller Programming Lessons</i>
0419	<b>Dolinay, V.; Lampart, M. &amp; Vasek, V.</b> <i>Data Filtering</i>
0421	<b>Domingo, R.; Alvarez, R. &amp; Sebastian, M.A.</b> <i>An Empirical Relationship between Cutting Forces and Length in Dry Drilling in Aluminium Alloys</i>
0423	<b>Dormal, T.</b> <i>Rapid Manufacturing of Mould Inserts for Tooling Improvements</i>
0425	<b>Doroftei, I.; Marta, C.; Hamat, C.O.; Suci, L. &amp; Prisacaru, G.</b> <i>A Hybrid Wheel-Leg Mobile Robot</i>
0427	<b>Dosoftei, C.C.; Mastacan, L. &amp; Olah, I.</b> <i>Speed Control System using a Fuzzy Logic Controller</i>
0429	<b>Dragan, D. &amp; Ivetic, D.</b> <i>An Approach To Dicom Extension for Medical Image Streaming</i>
0431	<b>Draghici, A.; Izvercianu, M. &amp; Barglazan, D.</b> <i>Aspects of Green Business Development</i>
0433	<b>Draghici, A.; Molcho, G. &amp; Draghici, G.</b> <i>Intelligent System and Solutions for Knowledge Management in Virtual Research Teams – Ontology and Expertise Map</i>
0435	<b>Dragoi, G.; Cotet, C.E.; Dragomirescu, C. &amp; Parpala, R.C.</b> <i>Virtual Enterprise Networks &amp; Virtual Teams: a Business Management Approach</i>
0437	<b>Dragomir, G.; Beles, H.; Blaga, V.; Stanasel, I.; Negrea, V.D. &amp; Blaga, F.S.</b> <i>Diesel Engines Pollution and Functional-Constructive Performances Compromise Optimization, using Fuzzy Sets</i>
0439	<b>Dresvyannikov, D.</b> <i>Intensification of Drawing Process from Sheet Billets with using of Liquid and Elastic Medium</i>
0441	<b>Dreucean, M.; Toth Tascu, M. &amp; Rusu, L.</b> <i>Cad/CAM Methods in the Customization of Medical Implants</i>
0443	<b>Druica, E.; Cornescu, V.; Bratu, A. &amp; Munteanu, I.</b> <i>The Opportunity Cost and the Law of Demand</i>
0445	<b>Duda Daianu, D.C.</b> <i>Competitive Advantage of Informational Technologies and Communication Sector for the Romanian West 5 Region</i>
0447	<b>Duda Daianu, D.C. &amp; Harangus, D.</b> <i>Aspects Regarding the Contribution of Research and Technical Progress at Gdp'S Growth</i>
0449	<b>Duerr, H.; Teich, T.; Ngoc Anh, T.; Militzer, J.; Unger, K. &amp; Loeser, C.</b> <i>Expert System for Automated Offering Following a Feature Based Approach</i>
0451	<b>Dumitrescu, C.D. &amp; Dobren, F.A.</b> <i>The Population'S Manner of Services Consumption – Index of Life Quality</i>
0453	<b>Dumitrescu, D.M.; Popa, C.L.; Nica, G.B. &amp; Cotet, C.E.</b> <i>Competences Versus Trust in a Young Virtual Organization</i>
0455	<b>Dumitrescu, L.; Manciulea, I.; Sica, M. &amp; Baritz, M.</b> <i>Ecomaterials for Wood Preservation Based on Acrylic Copolymers and Lignin Derivatives</i>
0457	<b>Dumitriu, A.</b> <i>The Management –A Leadership'S Science Used in Sme in Romania</i>
0459	<b>Dumitriu, A.</b> <i>Using Fuzzy Reasoning To Guide a Mobile Robot on a Rough Terrain</i>

0461	<b>Dumitriu, D.; Drstvensek, I.; Ihan Hren, N. &amp; Balc, N.</b> <i>The Development of a Custom Maxillofacial Implant by Means of Rapid Prototyping</i>
0463	<b>Duran, I. &amp; Duran, D.</b> <i>Increasing Economic Competitiveness Through Innovation</i>
0465	<b>Duran, V.; Vartolomei, M.; Milos, T. &amp; Vartolomei M, M.</b> <i>Economic Efficiency in Energy Renewable Sources Management</i>
0467	<b>Dusek, D.</b> <i>The Mathematical Model of the Mechanical Analyzer for Non-Stationary Signal Decomposition Based on an Array of Resonators</i>
<b>E</b>	
0469	<b>Eftimie, A.L.; Eftimie, R. &amp; Eftimie, A.C.</b> <i>Vacuum CAM Technology To Increase Machining Accuracy</i>
0471	<b>Eftimie, A.L.; Eftimie, R. &amp; Eftimie, A.C.</b> <i>Wear Test Concept To Optimise the Rider Rings Reliability</i>
0473	<b>Eftimie, L.; Tierean, M. &amp; Baltas, L.</b> <i>Cad Modelling of Couplings To Extend Reliability</i>
0475	<b>Eftimie, L.; Tierean, M. &amp; Baltas, L.</b> <i>Mold Pattern Technological CAD Design of the Compressor Cross-Head</i>
0477	<b>Enciu, G.; Nicolescu, A.F.; Stanciu, M. &amp; Ivan, I.</b> <i>Contributions on Final Elaboration Model of a Feed Kinematic Chain (L.C.A.)</i>
0479	<b>Enescu, I.; Vlase, S.; Lepadatescu, B.; Purcarea, R. &amp; Dumitrascu, A.</b> <i>Non-Hertzian Normal Contact of Elastic Body Model by Finite Elements</i>
0481	<b>Enescu, M.</b> <i>Deposition System for Thin Films of Solar Energy Conversion</i>
0483	<b>Esse, M. &amp; Majerik, M.</b> <i>The Project Web Portal Quality Function Deployment</i>
<b>F</b>	
0485	<b>Fedoryshyn, R.; Matiko, F. &amp; Pistun, Y.</b> <i>Prospects for Improving the Accuracy of Natural Gas Accounting and for Reducing Gas Unbalances</i>
0487	<b>Fidlerova, H. &amp; Fidler, M.</b> <i>Model of Environmental Logistics of the Enterprise</i>
0489	<b>Filaretov, V. &amp; Yukhimets, D.</b> <i>Synthesis of the Automatic Correction System of the Desired Signal Parameters</i>
0491	<b>Filaretov, V.; Zhirabok, A. &amp; Kucher, D.</b> <i>New Approach To Robust Observer Design</i>
0493	<b>Filip, I.; Robu, R.; Szeidert, I. &amp; Robu, A.</b> <i>Considerations Regarding an Unusual Cause of Database Concurrency Exception</i>
0495	<b>Filipoiu, I.D.; Seiciu, P.L.; Morariu, Z. &amp; Barbu, V.</b> <i>Gates and Barriers Driving Mechanism</i>
0497	<b>Filipowicz, K.; Biedunkiewicz, W.; Krolkowski, M. &amp; Grzesiak, D.</b> <i>Machining of Resilient Wheelsets on Wheel-Turning Lathes with Friction Drive - Part 1.: Modeling of Deformations with FEM Method</i>
0499	<b>First Rogale, S.; Rogale, D.; Dragevic, Z.; Nikolic, G. &amp; Runkas, M.</b> <i>Rationalization of the Operation of the Power-Supply System of Intelligent Clothing</i>
0501	<b>Florescu, D.; Stan, G. &amp; Florescu, I.</b> <i>The Computation of the Calender Rolls Deflection using the Differential Calculations</i>
0503	<b>Florescu, I.; Florescu, D. &amp; Stan, G.</b> <i>The Optimizations of the Functiones of the Double Diameter Piston Solenoid Valve</i>
0505	<b>Fodor, D.; Mitran, T.; Pater, S. &amp; Polojintef Corbu, N.</b> <i>Test Stand and Exprimental Results using Weak Mixtures Gasoline-Hydrogen at Si Engine</i>
0507	<b>Foeldi, A.; Moldoveanu, F. &amp; Soceanu, A.</b> <i>Steganographic Techniques for Network Communication</i>
0509	<b>Folcut, O.; Ciocirlan, D. &amp; Mustea Serban, R.</b> <i>Simulation Model for the Financing Strategies of a Leasing Company</i>
0511	<b>Forgaciu, F.L.; Oroian, M. &amp; Opelsz, H.</b> <i>Monitoring the Pollutants in a Romanian Company Producing Chemical Fertilizers</i>
0513	<b>Fota, A.</b> <i>The Synthesis of Manufacturing Task in Flexible Manufacturing Systems</i>
0515	<b>Fota, A.</b> <i>The Use of Modelling and Simulation in the Design of Flexible Manufacturing Systems</i>
0517	<b>Fucak, S.; Carija, Z. &amp; Mrsa, Z.</b> <i>Improving Channel Flow with T-Junction Deflectors Shape-Optimized using Genetic Algorithm</i>
0519	<b>Fuerstner, I.; Anisic, Z. &amp; Cosic, I.</b> <i>Mass Customization: Trends and Research</i>
0521	<b>Funar, S.P.; Osiceanu, S. &amp; Costache, B.M.</b> <i>Using Simulation in Risk Management Analysis</i>
<b>G</b>	
0523	<b>Gajdos, I.; Slota, J. &amp; Spisak, E.</b> <i>Visualisation of Fdm Prototypes</i>

0525	<b>Galic, J.; Kisicek, T. &amp; Soric, Z.</b> <i>Increase of Compressive Strength of Masonry Walls by using Glass Fiber Straps and Fabric</i>
0527	<b>Gapinski, B.; Ocnasova, L. &amp; Rucki, M.</b> <i>Strategy of Roundness Measurement with Cmm</i>
0529	<b>Gavrilovic, B. &amp; Stankovic, A.</b> <i>Creep Force on the Wheel-Rail Contact After the Start of Electrotraction Vehicle</i>
0531	<b>Geaman, V.; Milosan, I. &amp; Stoicanescu, M.</b> <i>Changes Which Appear in the Ideal Gas Law Under the Temperatures and Pressures Used in Hot Isostatic Processing</i>
0533	<b>Georgescu, L. &amp; Dragomir, M.</b> <i>The Correlation Study between the Educational Market and the Engineering Work Market</i>
0535	<b>Ghenghea, D.; Nedelcu, D. &amp; Dodun, O.</b> <i>Measurement of the Gases Volume Diffused from Solidified Materials</i>
0537	<b>Gheorghe, I.G.</b> <i>Mechatronics and Micro-Mechatronics Concepts and Techniques for Intelligent Integrating Micro Engineering</i>
0539	<b>Gheorghiu, H.; Chircor, L. &amp; Nicodim, M.</b> <i>Fem Analyze for an Arterial Implant Device</i>
0541	<b>Ghiban, B.; Bordeasu, I.; Ghiban, N.; Badarau, R.; Hadar, A. &amp; Serban, N.</b> <i>Some Aspects of Cavitation Damages in Austenitic Stainless Steels</i>
0543	<b>Ghiban, B.; Ghiban, N.; Serban, N.; Hadar, A.; Bordeasu, I. &amp; Jiga, G.</b> <i>The Calculus of the Thermodynamic Activity of Carbon in Silicon Alloyed Austenitic Stainless Steels</i>
0545	<b>Ghiban, N.; Chelu, G.; Serban, N. &amp; Ghiban, B.</b> <i>Extrusion Process Modelling of the Non-Rounded Products: a 2-D Approach</i>
0547	<b>Ghiclescu, D. &amp; Marinescu, N.</b> <i>Fem Simulation of Electrodischarge Machining Finishing</i>
0549	<b>Ghionea, I.; Munteanu, G. &amp; Beznila, H.</b> <i>Von Mises Stress Evaluation for a Mechanical Part using the Catia Finite Element Method</i>
0551	<b>Gillich, G.R.; Amariei, D.; Gillich, N.; Chioncel, C.P.; Bizau, V. &amp; Birdeanu, E.D.</b> <i>About the Use of Shape Memory Alloys in Vibration Damping</i>
0553	<b>Godal, D.; Ruzarovsky, R. &amp; Taraba, B.</b> <i>Application of Numerical Modeling in Assembly Process</i>
0555	<b>Godec, D.; Sercer, M. &amp; Pilipovic, A.</b> <i>Injection Moulding of Thermoplastics in Hybrid Tools</i>
0557	<b>Greco, E.</b> <i>The Alternative To Stock Exchange Financing</i>
0559	<b>Greco, L.; Demian, G. &amp; Demian, M.</b> <i>A Mathematical Approach of the Temperature Field in Case of Electron Beam Welding</i>
0561	<b>Grgona, J.; Andriic, B. &amp; Del Vecchio, M.</b> <i>Influence of Internet on Consumer Behaviour in Tourism</i>
0563	<b>Grigoras, S.; Hadar, A.; Marin, C.; Stirbu, C. &amp; Stoica, G.F.</b> <i>Theoretical Research and Experimental Tests for a New Version of Tubing and Casing Thread Connection</i>
0565	<b>Grigore, R.; Badea, A. &amp; Hazi, G.</b> <i>Studies Concerning the Maintenance Optimization of Power Plant Steam Condenser</i>
0567	<b>Grigorescu, S.; Vatau, S. &amp; Dobra, A.</b> <i>Dedicated Robot-Robot Cooperation</i>
0569	<b>Grigoriu, M.; Gheorghiu, H.; Crai, A.; Dinu, D. &amp; Visan, D.</b> <i>Energy Efficiency Evaluation Method</i>
0571	<b>Grigoriu, M.; Gheorghiu, L.; Hadar, A.; Jiga, G. &amp; Ciobanu, G.</b> <i>Pumped-Storage System Operation Computer Modelling</i>
0573	<b>Grman, J. &amp; Syrova, L.</b> <i>Alternative Localization of Defects using Wavelets in the Defectoscopy by Eddy-Currents</i>
0575	<b>Grzesiak, D. &amp; Krolkowski, M.</b> <i>Application of Slm for Optimisation of Weight of Supporting Lever in Relation To Expected Strength Resistance</i>
0577	<b>Gyenge, C.; Ros, O. &amp; Fratila, D.</b> <i>Achievements of Manufacturing Engineering Department from Tu Cluj-Napoca in the Field of Competitive and Ecological Products</i>
<b>H</b>	
0579	<b>Ha, J.S. &amp; Seong, P.H.</b> <i>A Model of Human Performance in Information Searching Tasks</i>
0581	<b>Hadar, A.; Motomanca, A.; Szabo, A.; Gheorghiu, H.; Marin, D. &amp; Ocnareescu, C.</b> <i>Consideration About one Way Hydrocyclon with Ring-Shaped</i>
0583	<b>Hamat, C.O.; Amariei, O.I. &amp; Dumitrescu, C.D.</b> <i>Analysis of the Quality Control Problems using the Wingsb Software Product</i>
0585	<b>Hamat, C.O.; Popovici, G.; Coman, L. &amp; Marta, C.</b> <i>Cooling Installation with Liquid Nitrogen for the Cryogenic Turning of Austenitic Stainless Steels</i>
0587	<b>Harangus, D.</b> <i>New Solutions in the Crediting Process of Agriculture</i>
0589	<b>Harangus, D. &amp; Duda Daianu, D.C.</b> <i>Aspects Regarding the Romania'S Position in the Global Competition of Knowledge-Based Economy</i>
0591	<b>Hasan, S. &amp; Rennie, A.</b> <i>A Comprehensive Business Model for Rapid Manufactured Products</i>
0593	<b>Hecht, K.; Bliedtner, J.; Mueller, H. &amp; Schmidt, T.</b> <i>Finishing Quartz Glass Surfaces with Laser Radiation: Analyses of the Parameters for Process Optimisation/Automation</i>

0595	<b>Hennersdorf, S. &amp; Dombrowski, U.</b> <i>Algorithm for Choosing Factory Planning Methods and Tools</i>
0597	<b>Herceg, T.; Jakovic, B. &amp; Galetic, F.</b> <i>Application of Graphical Software in Teaching of Microeconomics – Lecture Monopoly</i>
0599	<b>Hoffmann, C.; Guempel, P.; Zamfira, S. &amp; Braun, B.</b> <i>Evaluation of the Pitting Corrosion in Automotive Exhaust Systems</i>
0601	<b>Holm, T.; Luschmann, C.; Delgado, A. &amp; Amberg, M.</b> <i>A Reference Model Based Approach for the Evaluation of Industrial Plant Service and Asset Management Tools</i>
0603	<b>Homa, J. &amp; Stampfl, J.</b> <i>Fabrication of Ceramic Cross Flow Filters with Solid Freeform Fabrication</i>
0605	<b>Horak, K. &amp; Kalova, I.</b> <i>Pattern Recognition by Use of Functions of Invariants</i>
0607	<b>Horja, I.M.; Vancea, S.; Ignat, A. &amp; Avram, E.L.</b> <i>Strategies of Companies Reorganization</i>
0609	<b>Horman, I. &amp; Martinovic, D.</b> <i>Application of the Finite Volume Method To Processes in Wood Technology</i>
0611	<b>Hrubina, K.; Wessely, E.; Macurova, A. &amp; Balcak, S.</b> <i>Classification of the Models and the Mathematical Production Programme</i>
0613	<b>Hule, V.; Tarca, I. &amp; Blaga, F.</b> <i>Coaxial Impact of Elastic Bodies Experimental Analysis of the Reflected Waves</i>
<b>I</b>	
0615	<b>Iacob, D.; Mironeasa, C. &amp; Mironeasa, S.</b> <i>Experimental Research Regarding the Joining Radius Obtained in the Case of Minimal Energy at the Electrohydraulic Process</i>
0617	<b>Ibraim, C.; Chelaru, E.S. &amp; Predincea, N.</b> <i>Sensitivity Analysis for Parallel Robots</i>
0619	<b>Ignat, A.; Avram, L.; Horja, I.M. &amp; Vancea, S.</b> <i>Appearances Concerning the using of the Bill of Exchange and the Promissory Note in Romania</i>
0621	<b>Ihan Hren, N. &amp; Drstvensek, I.</b> <i>Hemifacial Microsomia – a Case Report</i>
0623	<b>Ihan Hren, N. &amp; Pogacar, V.</b> <i>Three-Dimensional Analysis of the Facial Soft Tissues</i>
0625	<b>Ilcik, S.</b> <i>Conceptual Design and System of Gyro Cableway Control</i>
0627	<b>Iliescu, M.; Comanescu, B. &amp; Nutu, E.</b> <i>Rapid Prototyping Use in Manufacturing Components of a Medical Laser Device</i>
0629	<b>Ilii, S. &amp; Munteanu, A.</b> <i>Comparison between Plasma Arc Cutting and Laser Cutting</i>
0631	<b>Inaguma, T.; Nishiyama, D. &amp; Nakatani, H.</b> <i>Estimation of Speed and Distance of an Approaching Vehicle</i>
0633	<b>Ionescu, C.; Munteanu, D. &amp; Munteanu, A.</b> <i>Aspects Regarding the Tribological Behaviour of Some Magnetron Sputtered Ti-Si-C Coatings</i>
0635	<b>Ionescu, G. &amp; Ionescu, O.</b> <i>Training System for Welding Operators</i>
0637	<b>Ionescu, G.C. &amp; Ionescu, D.S.</b> <i>Increasing the Efficiency of Water Supply Systems by Optimizing the Electrical Energy Consumption</i>
0639	<b>Ionescu, S.; Dumitrescu, C. &amp; Militaru, G.</b> <i>The Impact of Intelligent Systems of Manufacturing on Corporate Social Responsibility: a Conceptual Model</i>
0641	<b>Ionescu, S.A.; Gheorghe, C.M. &amp; Zaheu, I.</b> <i>Using Pattern Recognition Techniques To Determine Profitability on Financial Markets</i>
0643	<b>Iordachescu, M.; Iordachescu, D. &amp; Scutelnicu, E.</b> <i>Several Properties of a Friction Stir Processed Layer of Aluminium</i>
0645	<b>Ispas, C.; Anania, F.D. &amp; Zapciu, M.</b> <i>Research Concerning Machine-Tool Accuracy Based on Dynamics Behaviour</i>
0647	<b>Ispas, C.; Mohora, C.; Tilina, D.I. &amp; Paraschiv, M.D.</b> <i>Researches and Solutions for Optimising Technical Problem with Triz Theory</i>
0649	<b>Iuras, E.; Tanasa, R.; Carausu, C. &amp; Pruteanu, O.</b> <i>The Influence of the Technological Parameters on the Machining Rate at the Edm with Thick Electrode</i>
0651	<b>Ivan, I.C.; Enciu, G. &amp; Ghinea, M.</b> <i>Some Quality Aspects Regarding Advanced Ceramics Mechanical Parts for Precision Machinery</i>
0653	<b>Ivan, I.C.; Ghinea, M. &amp; Enciu, G.</b> <i>Simi RFID Identification System in Fms Logistics</i>
0655	<b>Ivan, I.C.; Ispas, C.; Paraschiv, M.D. &amp; Tilina, D.I.</b> <i>Improvements in the Design of the Machines-Tools and the Impact on the Manufacturing Systems</i>
0657	<b>Ivan, M.V. &amp; Iacovoiu, V.</b> <i>Effects of the Transnational Corporations Activity from the Sustainable Development Perspective</i>
0659	<b>Ivan, M.V. &amp; Iacovoiu, V.</b> <i>Strategies Related To the Positive Contributions of the Foreign Direct Investments</i>
0661	<b>Ivan, N.V.; Ivan, M.C.; Gavrus, C. &amp; Oancea, G.</b> <i>Intelligent Functions for CAPP Processors</i>
0663	<b>Ivanescu, N.; Borangiu, T.; Brotac, S. &amp; Ciupitu, L.</b> <i>Emulating a Plc on a Microcontroller</i>
0665	<b>Ivanov, M. &amp; Pupaza, C.</b> <i>Nurbs Procedures in Reverse Engineering</i>
0667	<b>Izvercianu, M.; Draghici, A. &amp; Guta, C.</b> <i>Mentor Profile for Human Resources in Smes</i>

- 0669 **Izvercianu, M.; Mihartescu, A.A.; Mazilescu, C.A.; Dupta, P.E. & Staicu, F.** *Aspects Regarding the Evolution of Franchise System on Romanian Market*
- 0671 **Izvercianu, M.; Popa, H. & Mocan, M.** *The Features of a Competitive Professional Training*
- 0673 **Izvercianu, M.; Pugna, A.; Negru Strauti, G. & Tion, M.** *Model for Determining the Entrepreneurial Profile*

## J

- 0675 **Jancic, Z.** *Enterprise Learning Management System Development Guidelines*
- 0677 **Jedlicka, M.; Moravcik, O.; Schreiber, P. & Tanuska, P.** *Reliability Assessment Support in Uml*
- 0679 **Jelescanin, J.; Palm, S. & Mrcela, T.** *Open-Loop Control and Data Acquisition of a Biomechanical Research Device using Labview Development Environment*
- 0681 **Jermak, C.J. & Rucki, M.** *Problems of Precise Measurement with Two-Point Air Gauges*
- 0683 **Jiga, G.; Grigoriu, M.; Ciuca, I. & Vlasceanu, D.** *Consideration on Climate Energy Efficiency Impact*
- 0685 **Jiga, G.; Vlasceanu, D.; Nutu, E.; Ghiban, B. & Visan, D.** *Design and Experimental Analysis for a New Configuration of a Safety Barrier Destined To Absorb the Impact Energy*
- 0687 **Jurca, L.; Gontean, A.; Alexa, F. & Vasar, C.** *Hybrid Architecture for a Single-Precision Arithmetic Processor*
- 0689 **Jurecic, D.; Babic, D. & Lajic, B.** *Important Factors of Corrugated Cardboard'S Quality of Punching Resistance*
- 0691 **Jurum Kipke, J.; Kovacevic, D. & Sumpor, D.** *Investigations of Personal Human Ergonomic Design in Automotive Interaction*

## K

- 0693 **Kachakov, Z.; Samakoski, B. & Sokoloski, Z.** *Mobile Automated Equipment for Wind Blade Production*
- 0695 **Kalova, I. & Horak, K.** *Transparent Objects Detection and Counting*
- 0697 **Karakulov, M.** *Features of Design of a Plunger Transmission*
- 0699 **Karapetrovic, S.** *Augmentation and Integration of Standardized Management Systems*
- 0701 **Karaulova, T.; Preis, I. & Pribytkova, M.** *Process Analysis and Reliability Evaluation*
- 0703 **Karuovic, D. & Radosav, D.** *User Interface Model of Interactive Educational Software*
- 0705 **Kasala, J. & Masiar, H.** *Integrating Taguchi Principle with Neural Network To Minimize Ingate Velocity for Aluminium Alloys*
- 0707 **Knego, N.; Kovacevic, Z. & Lazibat, T.** *Audit and Business Management System*
- 0709 **Kobrin, A. & Sinyavskiy, O.** *Mobile Robot-Football Player Control via the Artificial Life Method*
- 0711 **Kodrikova, K.; Kolomaznik, K. & Adamek, M.** *Modeling of Protein Enzymatic Extraction from Amaranth Flour and Seed*
- 0713 **Koh, K.Y.; Jee, E.K.; Jeon, S.; Seong, P.H. & Cha, S.** *A Formal Verification Method of Function Block Diagrams with Tool Supporting: Practical Experiences*
- 0715 **Kolakovic, M. & Sisek, B.** *Virtual Industrial Clusters - a Next Step Model for Clusterization of Croatian Smes*
- 0717 **Kolosowski, M.** *Optimization of the Manufacturing Process Route of Machine Components Aided with Activity Based Costing*
- 0719 **Kopac, J. & Sokovic, M.** *High Speed Cutting of Grey Cast Iron*
- 0721 **Kostal, P.; Matusova, M. & Charbulova, M.** *Clamping Fixtures in Cell Manufacturing*
- 0723 **Kostanjevec, T.; Polajnar, A. & Vujica Herzog, N.** *Product Development Through Multi-Criteria Analysis*
- 0725 **Kostic, A. & Cohodar, M.** *Quadratic Approximation of Characteristic Polynomial of Symmetric Positive Definite Toeplitz Matrix*
- 0727 **Kremljak, Z.** *Research of Systems' Uncertainty*
- 0729 **Kristaly, D.M.; Sisak, F.; Bujdei, C.; Sintea, S. & Ungureanu, D.** *Coding a Library for the Creation of Audio and Video Stream Files for the Internet using Open Source Projects*
- 0731 **Krsulja, M.; Barisic, B. & Car, Z.** *Considerations and Use of the Genetic Algorithm in Optimization of Standard Fixture Components*
- 0733 **Kubinger, W.** *An Embedded Stereo Vision Sensor Forobstacle and Lane Marker Detection*
- 0735 **Kunica, Z.; Vranjes, B. & Zorc, D.** *Integrated Approach for Automatic Assembly, Packaging and Disassembly Planning*

## L

0737	<b>Lache, S. &amp; Luculescu, M.C.</b> <i>Specific Features in Pressure Microsensors Design</i>
0739	<b>Lai, K.T.; Luong, L. &amp; Marian, R.</b> <i>A Genetic Algorithm for Single Source Capacitated Facility Location Problem</i>
0741	<b>Lancea, C.; Ivan, N.V.; Chicos, L.A. &amp; Oancea, G.</b> <i>Optimisation of CNC Milling Files since CAD Phases</i>
0743	<b>Latinovic, T.; Jokanovic, S. &amp; Rogic, M.</b> <i>A Genetic Fuzzy Real-Time Expert System in Tobacco Industry Banjaluka</i>
0745	<b>Lendak, I.; Erdeljan, A. &amp; Vukmirovic, S.</b> <i>Generic Data Conversion Based on Iec'S Generic Data Access</i>
0747	<b>Lepadatescu, B.; Buzatu, C.; Duicu, S.; Dumitrascu, A. &amp; Enescu, I.</b> <i>Contributions for Increasing the Productivity of CNC Machines</i>
0749	<b>Letunic, S.; Dragicevic, M. &amp; Brautovic, H.</b> <i>Cultural and Creative Tourism as the Factor of the Rural Community Development-the Case of Nakovana, Peljesac Peninsula</i>
0751	<b>Lewandowski, J. &amp; Kittl, B.</b> <i>It Applications for Manufacturing Operations and Control</i>
0753	<b>Lim, M. &amp; Wong, H.K.</b> <i>Financial Decision-Making for the Investment of Coordinate Measuring Machine</i>
0755	<b>Lisjak, D.; Cala, I. &amp; Stefanic, N.</b> <i>Method of Fuzzy Fault Tree Analysis</i>
0757	<b>Liskova, J.; Tittel, V. &amp; Zelenay, M.</b> <i>The Effect of Wire Rods Quality on Mechanical Properties of Drawn Wires</i>
0759	<b>Luculescu, M.C. &amp; Lache, S.</b> <i>Graphical User Interface for Artificial Neural Networks in Medical Imaging</i>
0761	<b>Lungu, F.; Abrudan, I. &amp; Otel, C.</b> <i>The Usage of Math Games Theory in the Optimization of Working Time of a Top Manager</i>
0763	<b>Lupescu, O.; Popa, R.; Popa, I.; Iosub, A. &amp; Lupescu, O.</b> <i>Some Researches upon the Tool-Piece Contact Geometry in the Rolling Process</i>
0765	<b>Lupinca, C.I.</b> <i>The Influence of Modifiers on the Compacted Graphite Iron Characteristics</i>
0767	<b>Lupu, C. &amp; Azzouzi, M.</b> <i>Medium Optimization of Pyrolysis Reactor</i>
0769	<b>Lupu, C.; Tanasa, V.; Udrea, A. &amp; Craciunescu, P.</b> <i>Methods for Nonlinear Processes Control: Control Structures Based on Nonlinearity Compensators</i>
<b>M</b>	
0771	<b>Mach, L.</b> <i>Econometric Model Structure as a Support Tool in Real Property Market Parameters Featuring</i>
0773	<b>Machedon Pisu, M.</b> <i>Range Tracking in Wireless Networks</i>
0775	<b>Maekitie, A.; Paloheimo, K.S.; Paloheimo, M.; Kanerva, J.; Bjoerkstrand, R.; Ramsay, H. &amp; Tuomi, J.</b> <i>Development of Rapid Prototype Models for Temporal Bone Dissection Simulation</i>
0777	<b>Majerik, M. &amp; Esse, M.</b> <i>The Study of Kansei Engineering Applied To the Vhcqc Web Portal</i>
0779	<b>Majnaric, I.; Bolanca, S. &amp; Bolanca Mirkovic, I.</b> <i>The Influence of the Toner Structure on the Quality of Black-White Digital Printing</i>
0781	<b>Majnaric, I.; Modric, D. &amp; Golubovic, K.</b> <i>Influence of Laser Power Output on the Quality of Colour Imaging</i>
0783	<b>Malina, J.; Jirkova, H. &amp; Masek, B.</b> <i>Optimalization of Technological Parameters of Flow Forming Process</i>
0785	<b>Malos, R.; Amariei, O.; Andres, S.; Rindasu, V. &amp; Minica, M.</b> <i>The Impact of Public Management Over the Population of Resita City</i>
0787	<b>Manea, A.S.; Barglazan, M.; Stroita, D.C. &amp; BalasoIU, V.</b> <i>Kaplan Turbine Blade Design with Octavian Popa Method</i>
0789	<b>Marek, B.; Skoczynski, W. &amp; Roszkowski, A.</b> <i>Method for Online Determination of the Lathe Dynamic Characteristics</i>
0791	<b>Marin Pantelescu, A. &amp; Maniu, L.</b> <i>Analysis of Factors Affecting the Decision To Purchase Holiday Packages by Tourists Through Travel Agencies</i>
0793	<b>Marin, C.; Hadar, A.; Grigoras, S.; Marin, A. &amp; Stanescu, M.</b> <i>Step Function Method Used in Calculating Continuous Footing Foundation Placed of Elastic and Discrete Soil</i>
0795	<b>Marin, D.; Raicu, L. &amp; Simion, I.</b> <i>The Role of the Shape in Industrial Design</i>
0797	<b>Marin, G.; Petrescu, L. &amp; Dolga, L.</b> <i>New Strategies for Designing Assemblies</i>
0799	<b>Marin, G.; Petrescu, L. &amp; Dolga, L.</b> <i>The Cylinder Intersections Visualization in Teaching Descriptive Geometry</i>
0801	<b>Marin, M.; De Agustina, B.; Camacho, A. &amp; Sebastian, M.A.</b> <i>Evaluation of Forces in Indentation Processes Considering Geometric Parameters of the Workpiece</i>
0803	<b>Marinac, A.</b> <i>Significance of Small Municipalities from the Aspect of Management</i>
0805	<b>Marinescu, N. &amp; Ghiculescu, D.</b> <i>Modelling and Experimental Results at Laser Beam Machining Finishing of Laser Form St-100 Composite Material</i>
0807	<b>Marinescu, S.A.; Rusnac, L. &amp; Dobren, F.A.</b> <i>Influences of the Growth of the Carbon Dioxide Emissions Depending on the Process of Photosynthesis in Timisoara</i>
0809	<b>Marjanovic, T. &amp; Scukanec, D.</b> <i>"Croenergo2" – Future of Renewable Energy Sources</i>

0811	<b>Maronek, M. &amp; Caplovic, L.</b> <i>Damage Analysis of Aluminium - Steel Bimetals</i>
0813	<b>Maronek, M.; Barta, J.; Kolenic, F. &amp; Domankova, M.</b> <i>Laser Beam Welding of Nitrooxidation Treated Steel Sheets</i>
0815	<b>Marta, C.; Doroftei, I.; Prisacaru, G.; Hamat, C.O.; Suci, L. &amp; Zgardea, E.</b> <i>Simulation of the Austenitic Manganese Steel Balls Casting and Comparison with the Experimental Results</i>
0817	<b>Marta, C.; Doroftei, I.; Suci, L.; Tatu, I.; Prisacaru, G. &amp; Hamat, C.O.</b> <i>Influence of Thermal Field in the Gmaw Process: Modelling and Comparison with Experimental Results</i>
0819	<b>Martinkovic, M.; Sobota, R. &amp; Kapustova, M.</b> <i>Comparison of Numeric Simulated and Experimental Measured Results of Setting Deformation</i>
0821	<b>Masar, A. &amp; Masarova, R.</b> <i>Identification of Main Problems of Software Development Automation</i>
0823	<b>Mastacan, L.</b> <i>Pi-Like Fuzzy Logic Controller with Look-Up Decision Tables and Fuzzy Control Gain</i>
0825	<b>Mateescu, L.M.</b> <i>Drafts of Technical-Economics Systems Necessary To Quality Ensurance</i>
0827	<b>Matsi, B.; Loun, K.; Otto, T. &amp; Roosimoelder, L.</b> <i>Data Mining in Production Management and Manufacturing</i>
0829	<b>Matulja, D. &amp; Dejhalla, R.</b> <i>Neural Network Prediction of an Optimum Ship Screw Propeller</i>
0831	<b>Matusu, R.</b> <i>Robust Stabilization of Interval Plants using Pi Controllers</i>
0833	<b>Matysek, M.; Adamek, M.; Neumann, P. &amp; Matulik, T.</b> <i>New Implementation of the Mobile Ordering System</i>
0835	<b>Mazilescu, C.A.; Mihartescu, A.A. &amp; Banciu, F.</b> <i>Approaching the Modelling of a Human Resources Selection Information System from the Perspective of Its Users</i>
0837	<b>Mazilescu, C.A.; Mihartescu, A.A. &amp; Popescu Mitroi, M.M.</b> <i>Job Satisfaction and Job Motivation of Romanian Young Professors</i>
0839	<b>Meciarova, J. &amp; Dado, M.</b> <i>Computer Application for Decision-Making Support in Manufacturing Technology</i>
0841	<b>Menyhardt, K.; Nagy, R. &amp; Luca, G.</b> <i>Kinematical Analysis of an Upper Limb Prosthesis</i>
0843	<b>Merticaru, V.; Recio Perero, P. &amp; Carausu, C.</b> <i>Collaborative Engineering and Design Automation for Advanced Materials Implementation in Railway Supply Industry</i>
0845	<b>Mezentsev, M.</b> <i>Electronic-Beam Welding Large Thickness</i>
0847	<b>Micieta, B. &amp; Stollmann, V.</b> <i>New Trends in the Improvement of Production Processes</i>
0849	<b>Mihai, V.M. &amp; David, O.</b> <i>Current Tendencies in the Romanian Public University Quality Management</i>
0851	<b>Mihail, L.</b> <i>A New Cutting Tool Design for Raising the Efficiency of Turning Process</i>
0853	<b>Mihailidis, A.; Pupaza, C.; Nerantzis, I. &amp; Karaoglanidis, G.</b> <i>Modeling and Simulation of a Spherical Bearing Mount</i>
0855	<b>Mihartescu, A.A. &amp; Mazilescu, C.A.</b> <i>The Identification of Customer'S Requirements in Choosing of a Product'S Model</i>
0857	<b>Mihic, S. &amp; Ivetic, D.</b> <i>Data Structures for Road Condition Avi File Video Augmentation</i>
0859	<b>Mikhailov, M. &amp; Lavrov, V.</b> <i>Automated Control System of Festo Modular Production Stations</i>
0861	<b>Miklosevic, K.; Spoljaric, Z. &amp; Valter, Z.</b> <i>Modeling and Simulation of Induction Motor for Dynamic Behaviour Testing using Specified Load</i>
0863	<b>Mikota, M.; Pavlovic, I. &amp; Mrvac, N.</b> <i>Influence of the Printing Technique on the Quality of the Digitally Shot Colour Portrait</i>
0865	<b>Militaru, G. &amp; Dumitrescu, C.</b> <i>Opportunities and Limitations of the Intelligent Systems of Manufacturing Adoption: Romanian Case</i>
0867	<b>Militaru, G. &amp; Ionescu, S.</b> <i>The Corporate Social Responsibility and the Supply Chain: an Empirical Investigation</i>
0869	<b>Milos, T.</b> <i>The Adjustment of the Optimum Operating Point of a Pump Depending on the Requirements of the Water Supply</i>
0871	<b>Milosan, I.; Geaman, V. &amp; Stoicanescu, M.</b> <i>The Manufacturing of a Cryogenic S. G. Cast Iron Alloyed Used in Automotive Industry</i>
0873	<b>Minciu, C.; Croitoru, S.M. &amp; Constantin, G.</b> <i>Forced Vibrations in Feeding Kinematic Chain and Roughness of Surfaces Manufactured by Milling</i>
0875	<b>Minciu, C.; Gandila, S. &amp; Anghel, F.</b> <i>Optimized Architecture Manufacturing Systems using Witness Models and Simulation</i>
0877	<b>Mircea, O.; Visan, D.; Banea, M. &amp; Constantin, E.</b> <i>A Comparative Study of Temperature Fields in X52 Steel Butt Welds</i>
0879	<b>Mironeasa, C. &amp; Mironeasa, S.</b> <i>Study on the Dependence between the Erichsen Coefficient by Anisotropy and Hardening Coefficients</i>
0881	<b>Mironeasa, S. &amp; Mironeasa, C.</b> <i>Study of the Relationship between the Drawing Coefficient and Hardening Ratio</i>
0883	<b>Misak, S. &amp; Chmelik, K.</b> <i>Using Emtp-Atp and Ansys Programs for Determination of Dielectric Stress of Medium Voltage Cables</i>

0885	<b>Misik, L. &amp; Radvanska, A.</b> <i>Absorption Properties of the Noise Barriers Made of Scrap Tires</i>
0887	<b>Misik, L. &amp; Radvanska, A.</b> <i>Properties and Application of Scrap Tire Pyrolysis Products</i>
0889	<b>Mitran, T.; Pater, S.; Fodor, D. &amp; Polojintef Corbu, N.</b> <i>The Heat Transfer during the Compression Process in an Internal Combustion Engine</i>
0891	<b>Mjaku, M.; Krasniqi, F.; Maksuti, R. &amp; Elezi, D.</b> <i>Mathematical Model and Statistical Analysis of the Elongation of the Steel J55 Api 5C1 Before and After the Development of the Pipes</i>
0893	<b>Mocan, M.; Popa, H.; Izvercianu, M.; Pugna, A. &amp; Hamat, C.O.</b> <i>Aspects Regarding the Development of the Entrepreneurship in Romania</i>
0895	<b>Mok, H.S.; Lee, K.; Ryu, K.; Jeon, C.; Han, C. &amp; Kwak, H.S.</b> <i>Networking System for Remanufacturing Technology</i>
0897	<b>Moldovan, C. &amp; Dolga, V.</b> <i>Parallel Robot with Variable Link Length Mechanisms</i>
0899	<b>Moldoveanu, A.</b> <i>Highly-Scalable Server for Massive Multi-Player 3D Virtual Spaces Based on Multi-Processor Graphics Cards</i>
0901	<b>Monka, P. &amp; Monkova, K.</b> <i>Multi Variant Process Plans Design in Relation To the European Market</i>
0903	<b>Monkova, K. &amp; Monka, P.</b> <i>Modelling of Complex-Shaped Components in the Scope of Reverse Engineering</i>
0905	<b>Moraru, S.A.; Ungureanu, D.; Sandu, F.; Grigorescu, C. &amp; Krupka, L.</b> <i>Solutions for Developing and Integrating Software Tools for E-Learning Systems</i>
0907	<b>Moravcikova, J. &amp; Lipa, Z.</b> <i>Experimental Comparison of Conventional and Highly Abrasive Abrading Agents</i>
0909	<b>Moroianu, C.; Grozeanu, S.; Ciobanu, C.; Bejan, M. &amp; Samoilescu, G.</b> <i>Power Loss Reduction of the Magneto Hydro Dynamic Naval Truster</i>
0911	<b>Moroianu, C.; Muntean, A.; Samoilescu, G.; Bandrabur, D.L.; Bejan, M. &amp; Ciobanu, C.</b> <i>The Soot and Nitrogen Oxide Reduction using Water/Heavy Fuel Oil Emulsion</i>
0913	<b>Motoc Luca, D. &amp; Teodorescu, H.</b> <i>Fillers' Content Influence on the Mechanical Properties of the Glass Mat Reinforced Polymeric Composite</i>
0915	<b>Mrenes, M.</b> <i>Simulation of Gas Flow in a Private Burner Mixing Pipe</i>
0917	<b>Mudrik, J. &amp; Nanasi, T.</b> <i>Principles of Mechatronical Modelling of Machine Aggregates</i>
0919	<b>Mudrikova, A.; Hruskova, E. &amp; Velisek, K.</b> <i>Logistics of Material Flow in Flexible Manufacturing and Assembly Cell</i>
0921	<b>Muminovic, A. &amp; Colic, M.</b> <i>Examination of Boundary Lubrication Frictional Coefficient</i>
0923	<b>Munguia, J.</b> <i>A Soft Computing-Based Model for Rm Selection and Cost Estimation</i>
0925	<b>Muntean, A.; Moroianu, C.; Bejan, M.; Bandrabur, D.L. &amp; Samoilescu, G.</b> <i>About Ekman Currents in Shallow Waters</i>
0927	<b>Munteanu, A.; Coteata, M. &amp; Neagu, D.</b> <i>Empirical Modelling of the Electron Beam Hardening</i>
0929	<b>Munteanu, E. &amp; Ursu, I.</b> <i>Design of Robust Active Control for Flutter Alleviation</i>
0931	<b>Munteanu, S.I.; Ciobanu, I. &amp; Crisan, A.</b> <i>Macro Solidification Simulation during Continuous Casting of Aluminum Alloys Slabs</i>
0933	<b>Musca, G.; Musca, E. &amp; Merticaru, V.</b> <i>Approach on Implementing a Plm Solution into a Collaborative Engineering Network for Product Design Automation</i>
0935	<b>Muscalu, E.; Todericiu, R. &amp; Titu, M.</b> <i>The University'S Financial Management – the Need of Financial Resources Diversification in Higher Education</i>
0937	<b>Mustea Serban, R.; Folcut, O. &amp; Ciocirlan, D.</b> <i>Introducing the Product Life Cycle and V – Modell in the Leasing Companies</i>
0939	<b>Mutka, A.; Nizetic, J.; Curkovic, M.; Staroveski, T. &amp; Udiljak, T.</b> <i>Mobile 3D Object Measurement System Based on Active Triangulation Method</i>
<b>N</b>	
0941	<b>Nad, M.; Duris, R. &amp; Ester, J.</b> <i>Numerical Simulation of Turning Tool Vibration during Cutting Process</i>
0943	<b>Nagi, M.; Iliies, P. &amp; Negoitescu, A.</b> <i>The Determination of the Optimal Circulation Fluids Speeds Through the Heat Exchangers</i>
0945	<b>Nagit, G.; Fetecau, C.; Negoescu, F.; Iosub, A. &amp; Axinte, E.</b> <i>A Mathematical Model for Roughness in Case of Vibrorolling Process</i>
0947	<b>Nanasi, T.</b> <i>Reliability of Simple Pneumatic Systems</i>
0949	<b>Nastac, S.</b> <i>Analysis of Working Performances at Damaged Vibration Isolation Devices</i>
0951	<b>Nasui, V.; Lobontiu, M.; Banica, M. &amp; Cotetiu, R.</b> <i>Some Influences About the Regenerative Energy Effect in the Optimal Functioning of the Linear Actuators</i>
0953	<b>Neagoie, M.; Diaconescu, D.; Jaliu, C. &amp; Saulescu, R.</b> <i>A Conceptual Design Application Based on a Generalized Algorithm Part I. Generation of Solving Structural Variants</i>



0955	<b>Neagoie, M.; Diaconescu, D.; Jaliu, C. &amp; Saulescu, R.</b> <i>A Conceptual Design Application Based on a Generalized Algorithm Part II. Solving Structures Selection and Evaluation</i>
0957	<b>Nedelcu, A.V.; Sandu, F.; Borza, P.N. &amp; Moraru, S.A.</b> <i>Mobile Data Acquisition and Tele-Transmission by Pda</i>
0959	<b>Nedelcu, D.; Carcea, I. &amp; Ghenghea, L.</b> <i>Some Aspects of Technologies for Obtaining the Samples from Composite Material with Layers and Particles Reinforcement</i>
0961	<b>Nedelcu, D.; Tabacaru, L.; Ciobanu, R.M. &amp; Cretu, G.</b> <i>Some Aspects Concerning the Measuring of Forces for Deformation Diferent Profiles of Composite Materials</i>
0963	<b>Negoescu, F.; Iosub, A.; Axinte, E. &amp; Santos Martin, F.</b> <i>Optimal Design of Nonferrous Corrugated Diaphragms</i>
0965	<b>Negoescu, F.; Nagit, G.; Iosub, A.; Sarbu, I. &amp; Axinte, E.</b> <i>Researches Concerning the Influence of the Technological Parameters on 42Mocr11 Surface Roughness</i>
0967	<b>Neimarlija, N. &amp; Dzaferovic, E.</b> <i>Velocity Field Uniformity Analysis of an Electrostatic Precipitator</i>
0969	<b>Nica, G.B.; Aurite, T. &amp; Dumitrescu, D.M.</b> <i>Geocentric Extraversion Versus Ethnocentric Introversion: a Clash in Multinational Human Resources Management</i>
0971	<b>Nicoara, D.</b> <i>Optimal Linearization Method for Dynamic Analysis of Non-Linear Rotors</i>
0973	<b>Nicodim, M.; Vlasceanu, D. &amp; Baci, F.</b> <i>Design of a Safety Mechanism for Machine Tools</i>
0975	<b>Noskovicova, L. &amp; Ravas, R.</b> <i>Technique for Camera Calibration</i>
0977	<b>Novoselovic, D.; Budic, H.; Solenicki, G. &amp; Budic, I.</b> <i>Croatian Perspectives in Metal Castig Production</i>
0979	<b>Nylund, H.; Salminen, K. &amp; Andersson, P.</b> <i>Modelling and Simulation in the Context of Distributed Manufacturing Systems</i>
<b>O</b>	
0981	<b>Oancea, G.; Chicos, L.A.; Ivan, N.V. &amp; Lancea, C.</b> <i>Software Package for Extended Data Storage of Autocad Solids</i>
0983	<b>Obucina, M.; Bajramovic, R. &amp; Dzaferovic, E.</b> <i>Estimation of Unknown Parameters in Mechanical Models for Determination Viscoelasticity Properties of Materials</i>
0985	<b>Olarescu, A. &amp; Badescu, L.A.</b> <i>Bonding Quality of Panels Made of Crosscut Softwod Branches</i>
0987	<b>Olt, J.; Leemet, T.; Laatsit, T. &amp; Maksarov, V.</b> <i>Local Physical Actions on Surface of Billet</i>
0989	<b>Olteanu, V.G.; Badea, A.; Moise, C.; Dana, I. &amp; Jivanescu, I.</b> <i>Estimating the Precipitable Water Vapour using Romania'S Permanent Gps Network</i>
0991	<b>Opetuk, T. &amp; Cosic, P.</b> <i>The Application of Group Technology for the Production Time Estimation</i>
0993	<b>Oprean, C.; Bucur, V. &amp; Titu, M.</b> <i>Stress - Related Issues in Modern Industrial Organizations in Romania</i>
0995	<b>Opruta, D.; Vaida, L. &amp; Plesa, A.</b> <i>The Simulation of Fluid Flow Through a Hydraulic Resistance</i>
0997	<b>Oroian, M.; Forgaciu, F.L. &amp; Tomuletiu, E.A.</b> <i>Consideration on the Key Indicators of the Labour Market for Work Analysis in Romania</i>
0999	<b>Ostoia, D.; Negoitescu, A. &amp; Tokar, A.</b> <i>The Wearing Out Compensation of Diesel Engines Combustion Chambers by Modern Systems Implementation</i>
1001	<b>Ostojic, J.; Pavlic, M. &amp; Mikulic, Z.</b> <i>A Proposition for Client Data Model in Insurance Company</i>
<b>P</b>	
1003	<b>Paecurar, R.; Balc, N.; Berce, P. &amp; Prem, F.</b> <i>Research on Improving the Mechanical Properties of the Sls Metal Parts</i>
1005	<b>Pajaziti, A.; Latifi, A. &amp; Geca, A.</b> <i>Model Identification and Simulation of Function of the Amortization in Context of Functioning Characteristics</i>
1007	<b>Palcic, I.; Buchmeister, B. &amp; Leber, M.</b> <i>Organisational Innovation in Slovenian Manufacturing Companies</i>
1009	<b>Palluck, M.; Dombrowski, U. &amp; Hennersdorf, S.</b> <i>Corporate Goal-Oriented Factory Planning Considering a Lean Production System</i>
1011	<b>Palm, S.; Jelecain, J. &amp; Mrcela, T.</b> <i>Computer-Aided Design of a Device Prototype for Specific Purpose in Biomechanical Research of Soft Tissues</i>
1013	<b>Pantea, I.; Stanasel, I. &amp; Blaga, F.</b> <i>The Mathematical Study of the Profile of Toothing Knives</i>
1015	<b>Pantea, I.; Stanasel, I. &amp; Blaga, F.</b> <i>The Simulation of the Profiling Technology of Toothing Knives</i>
1017	<b>Pap, K.; Vujic Ziljak, J. &amp; Ziljak, I.</b> <i>Screen Element Shape "R73" Mutation with Method of Growth Function Parameterization</i>
1019	<b>Paraschiv, M.D.; Ispas, C.; Ivan, I.C. &amp; Tilina, D.I.</b> <i>Research Regarding Simulation and Optimization Trajectory for a Naca Profile Surface</i>
1021	<b>Pardanjac, M. &amp; Radosav, D.</b> <i>Distance Learning of Programming Language Pascal</i>

1023	<b>Park, H.S.; Choi, H.W. &amp; Park, J.W.</b> <i>Implementation of Ar Based Automobile Assembly System</i>
1025	<b>Parpala, L.F. &amp; Popa, C.L.</b> <i>Collaborative Design and Manufacturing of Industrial Products</i>
1027	<b>Parpala, R.C.</b> <i>Cad – FEM Import of a Machine Tools Feed Drive System Model</i>
1029	<b>Parv, L. &amp; Lupulescu, N.</b> <i>The Implementation of Abc Methodology in Concurrent Engineering</i>
1031	<b>Pasic, M.; Bijelonja, I. &amp; Bajric, H.</b> <i>A Comparison of Same Slope and Exponential Smoothing Forecasting Models</i>
1033	<b>Pasic, M.; Bijelonja, I. &amp; Kadric, E.</b> <i>Periodic Inventory System Control Decisions Under Risk</i>
1035	<b>Pastrama, S.D.; Hadar, A.; Jiga, G. &amp; Tabara, I.</b> <i>Numerical Study of Appearance and Development of Damages in Composite Structures</i>
1037	<b>Patachia, S.; Croitoru, C. &amp; Scarneciu, I.</b> <i>Ecological Method for Separation of Inulin from Phytoextracts using Molecularly Imprinted Poly (Vinyl Alcohol) Films</i>
1039	<b>Patachia, S.; Croitoru, C.; Florea, C.; Dumitrescu, L. &amp; Scarneciu, I.</b> <i>Ammonia Sensor Based on Poly (Vinyl Alcohol) Cryogel</i>
1041	<b>Pater, S.; Fodor, D.; Mitran, T. &amp; Polojintef Corbu, N.</b> <i>Analyze of Transmission Errors in Gearboxes</i>
1043	<b>Patrascu, G. &amp; Carutasu, N.L.</b> <i>Tool Shear Strees and Temperature Distributions Prediction using FEM Simulation</i>
1045	<b>Pavlovic, I.; Mikota, M. &amp; Skala, T.</b> <i>Influence of the Lighting and the Iso Speed on the Digitally Shot Black and White Portrait Photographs</i>
1047	<b>Pechacek, F.; Charbulova, M. &amp; Javorova, A.</b> <i>Criteria Design of Optimization Ultrasonic Concentrators</i>
1049	<b>Pejic Bach, M.; Jakovic, B. &amp; Misulic, M.</b> <i>Financial Statements Analysis with Usage of Computer Application</i>
1051	<b>Perminova, A. &amp; Dresvyannikov, D.</b> <i>Definition of Elastic Membrane Pressure in Hydroelastic Drawing of the Parts of Cylindrical Form</i>
1053	<b>Pernevan, I.</b> <i>The Pressure Calculation for Thin Circular Clamped Plates Hydroforming from Energetical Reasons</i>
1055	<b>Pernevan, M. &amp; Pernevan, I.</b> <i>Modeling a Compression Valve in a Hydraulic Shock Absorber</i>
1057	<b>Pernis, R.; Kasala, J. &amp; Hajduchova, L.</b> <i>Deformation Hardening of the Titanium Alloy Ot4-1</i>
1059	<b>Perutka, K.</b> <i>Simple Nonlinear Adaptive Control of Hammerstein Model</i>
1061	<b>Peterka, J.; Pokorny, P. &amp; Vaclav, S.</b> <i>Cam Strategies and Surfaces Accuracy</i>
1063	<b>Peterka, J.; Senderska, K.; Vaclav, S. &amp; Pokorny, P.</b> <i>Product Design Suitable for Assembly</i>
1065	<b>Petre, M.; Ispas, C.; Mohora, C. &amp; Lungu, B.</b> <i>The Investment Risk Assessment for a New Product Launch</i>
1067	<b>Petrescu, L. &amp; Marin, G.</b> <i>Extrajudiciary Technical Experts and Consultants' Society and the Standard on Which Is Based</i>
1069	<b>Petrescu, L. &amp; Marin, G.</b> <i>Quality of Expertise and Expertise of Quality</i>
1071	<b>Petrescu, V.; Bibu, M.; Nemes, T.; Popescu, F. &amp; Deac, C.</b> <i>Analysis of the Characteristics of Metallic Powders Realised from the Waste Resulted from Ball Bearing Manufacturing</i>
1073	<b>Petric, D.; Majetic, D.; Novakovic, B. &amp; Brezak, D.</b> <i>Educational System for Water Level Regulation: Design and Identification</i>
1075	<b>Pikna, L.; Ulrich, K. &amp; Kolenic, F.</b> <i>Welding of Duplex Stainless Steel Saf 2507 by Laser Beam</i>
1077	<b>Pintilie, G. &amp; Albut, A.</b> <i>Life Time Improvement of a Butterfly Valve Lappet by Shape Optimization</i>
1079	<b>Pintilie, G. &amp; Albut, A.</b> <i>The Material Treatment Influence on the Propagation Speed of a Fatigue Crack</i>
1081	<b>Pirvu, M. &amp; Dumitrescu, C.</b> <i>Erp Implementation in a Small Or Medium Enterprise</i>
1083	<b>Plehati, S.; Pavlovic, T.; Bogovic, T. &amp; Pap, K.</b> <i>Fmea Analysis of Xeikon Electrophotographics</i>
1085	<b>Plesa, A.; Bode, F. &amp; Opruta, D.</b> <i>E Flow Simulation Through a Heat Exchanger Channel</i>
1087	<b>Podhorsky, S. &amp; Maronek, M.</b> <i>Examination Software for Technical Subject Education</i>
1089	<b>Polakovic, M.; Buransky, I. &amp; Peterka, J.</b> <i>Simulation Concept for Machined Surface Roughness and Shape Deviations Prediction</i>
1091	<b>Polojintef Corbu, N.; Pater, S.; Fodor, D. &amp; Mitran, T.</b> <i>Constructive Aspects To Improve the Performance of the Vibro-Rolling Device</i>
1093	<b>Pop, N. &amp; Cioban, H.</b> <i>Generalized Jacobians and Newton Method for Solving the Frictional Contact Problems</i>
1095	<b>Pop, N.A.; Pelau, C.; Ghinea, V.M.; Bena, I. &amp; Sandru, D.</b> <i>Integrated Controlling – a New Perspective of Managing a Company</i>
1097	<b>Pop, P.; Lazar, L.; Marcu, F.; Veres, M. &amp; Ungur, P.</b> <i>An Application of Non-Compressible Flowing in Thermoplastic Pipes in Installations for Fire Prevention</i>
1099	<b>Pop, P.; Veres, M.; Iancu, C.; Mihaila, S. &amp; Ungur, P.</b> <i>Heating Installation of Sewage Water with Solar Captor</i>
1101	<b>Popa, A.; Blidisel, R. &amp; Farcane, N.</b> <i>Internet Business Reporting a Challenge: the Case of Romanian Manufacturing Enterprises</i>
1103	<b>Popa, C.L. &amp; Cotet, C.E.</b> <i>Multipolar Distributed Material Flow Simulation of a Virtual Enterprise</i>

1105	<b>Popa, C.L. &amp; Parpala, L.F.</b> <i>Using Agent Technology To Manage Activities in the Manufacturing Department</i>
1107	<b>Popa, E. &amp; Popa, V.</b> <i>Device and Experiments for Colouring the Alder Wood Through Immersion</i>
1109	<b>Popa, H.L.; Izvercianu, M.; Mocan, M. &amp; Pater, L.R.</b> <i>The Progress Through Clusterisation in European Union</i>
1111	<b>Popa, M.S.; Contiu, G. &amp; Precup, M.</b> <i>New Trends in Non-Conventional Technologies and Electric Discharge Machining</i>
1113	<b>Popa, M.S.; Precup, M. &amp; Contiu, G.</b> <i>Laser Welding Automation</i>
1115	<b>Popa, M.; Sirbu, D.; Curseu, D. &amp; Popa, M.S.</b> <i>Statistical Modelling of Measures of Thermal Comfort</i>
1117	<b>Popescu, C.; Bucur, G. &amp; Popescu, C.</b> <i>Neuro-Fuzzy Control for Khepera Iii Mobile Robot</i>
1119	<b>Popescu, D. &amp; Cherciu, M.</b> <i>Stability of Transversal Vibrations in High-Speed Drilling and the Influence on the Processing Precision</i>
1121	<b>Popescu, D. &amp; Pater, M.</b> <i>Aspects About Adders Pseudorandom Testing Techniques</i>
1123	<b>Popescu, D.; Ghinea, M. &amp; Chircor, L.</b> <i>An Assessment of Geometrical Features for a New Rapid Prototyping Benchmark Part</i>
1125	<b>Popescu, J.; Vilag, V.; Petcu, R.; Silivestru, V. &amp; Stanciu, V.</b> <i>Aero-Derivative Gas Turbines Fuelled by Biogas</i>
1127	<b>Popescu, L.; Popescu, V. &amp; Iancu, A.</b> <i>E.R.P. Systems and Organization'S Performance</i>
1129	<b>Popescu, S.E.; Nicolescu, A.F. &amp; Minciu, C.</b> <i>A New Enhanced Production System as CFS-ERP Technological-Informatics System</i>
1131	<b>Popescu, S.E.; Nicolescu, A.F. &amp; Minciu, C.</b> <i>Integrating Manufacturing Enterprises Functions with New ERP for CFS Specific Modules</i>
1133	<b>Poppeova, V.; Uricek, J.; Zahoransky, R.; Rejda, R.; Bulej, V. &amp; Durica, J.</b> <i>The Development of Hexapod Kinematic Structure</i>
1135	<b>Pozna, C. &amp; Alexandru, C.</b> <i>Avoidance Trajectory Design for Mobile Robots</i>
1137	<b>Predincea, N.; Constantin, G. &amp; Ghionea, A.</b> <i>Rigid and Flexible Association of Kinematic Chains in Gear Processing Machines</i>
1139	<b>Prejmerean, M. &amp; Vasilache, S.</b> <i>The Use of Markov Models for Improving Customer Relationship Management in Romanian Banks</i>
1141	<b>Prianichnikov, V.; Kirsanov, K.; Kii, K. &amp; Levinsky, B.</b> <i>Algorithms and Software for Vision Systems of Mobile Robots</i>
1143	<b>Prichici, M.A.</b> <i>The Calculus of the Vibration Amplitude with the Mechanic Model Approach for Vibrating Tube Mills</i>
1145	<b>Prisacaru, G.; Diaconu, I.; Marta, C.; Doroffei, I.; Cazacu, M. &amp; Vlad, A.</b> <i>Interconnected Poly(Dimethyldiphenylsiloxane)/Silica Networks for Electrical Actuation</i>
1147	<b>Prodan, D.</b> <i>Torque Multipliers for Machine-Tools</i>
1149	<b>Prodan, D. &amp; Motomanca, A.</b> <i>Hydraulic Device for Relieving the Rotary Table Bearings on Heavy Vertical Lathes</i>
1151	<b>Prostean, G.; Taroata, A.; Taucean, I.M. &amp; Tamasila, M.</b> <i>Planning Algorithm for Development of an Intelligent Scheduling System</i>
<b>R</b>	
1153	<b>Radu, C. &amp; Rosca, I.</b> <i>Image Treatment Process To Obtain the Kinematic Parameters during Human Locomotion</i>
1155	<b>Radulescu, A. &amp; Stanescu, T.</b> <i>Tribological Performance of Biphasic Lubrication</i>
1157	<b>Radulescu, A.; Radulescu, I. &amp; Balan, C.</b> <i>Experimental Researches Concerning the Lubricants Degradation Process</i>
1159	<b>Radulescu, B.; Radulescu, M. &amp; Dumitras, C.</b> <i>Codemo - a Collaborative Design Modeler for Complex Multidisciplinary Optimization Products</i>
1161	<b>Radulescu, F. &amp; Boicea, A.</b> <i>A Modified Fastmap Algorithm</i>
1163	<b>Radulescu, M.; Radulescu, B. &amp; Cozminca, I.</b> <i>Self-Sustained Vibrations</i>
1165	<b>Rahau, L.; Ciotea, V.F. &amp; Ciotea, M.</b> <i>Questions on the Sales Management in Insurance Industry</i>
1167	<b>Rakic Skokovic, M.; Ostojic, G.; Lazarevic, M. &amp; Stankovski, S.</b> <i>Improving Business Processes with RFID Technology</i>
1169	<b>Rancea, I.; Sgarciu, V. &amp; Dichiu, D.</b> <i>Remote Monitoring and Data Acquisition of Industrial Process Parameters Through Internet</i>
1171	<b>Rancea, I.; Sgarciu, V. &amp; Stamatescu, G.</b> <i>Remote Monitoring of Parameters for a Pressure Transducer Through Hart Protocol and Labview Environment</i>
1173	<b>Rat, N.R.; Gogu, G.; Stan, S.D. &amp; Balan, R.</b> <i>Virtual Reality Tool for Orthoglide Parallel Robot</i>
1175	<b>Ratiu, C.I.</b> <i>Servo-Hydraulic Linear Axes Behaviour Modeling and Simulation</i>

1177	<b>Risovic, S.; Zvezelj, D. &amp; Panic, N.</b> <i>Measurement Line for Static Torque</i>
1179	<b>Risteiu, M.; Ileana, I.; Tulbure, A.; Marc, G. &amp; Croitoru, B.</b> <i>Practical Approach of using Embedded Controllers for Virtual Instrument Over Tcp/Ip and 802.11 B/G Protocols</i>
1181	<b>Robu, R. &amp; Filip, I.</b> <i>Issues Regarding Digital Signature Infrastructure and Digital Certificate Management</i>
1183	<b>Robu, R.; Voisan, E. &amp; Ungureanu, D.</b> <i>Technical and Legislative Aspects Regarding the Digital Signature</i>
1185	<b>Roman, C.; Carcea, I.; Chelariu, R. &amp; Soare, V.</b> <i>Pressing and Sintering of Tio<sub>2</sub> Powder Cathode Used To Obtain Titanium by Electrochemical Reduction</i>
1187	<b>Romanescu, M.C.; Pruna, L.; Antonescu, I. &amp; Anghel, A.</b> <i>Knowledge Representation Database for the Development of Tolerances and Fits in Design</i>
1189	<b>Rosca, I. &amp; Radu, C.</b> <i>On the Design of an Experimental Installation To Determine the Kinematic Parameters during Human Locomotion</i>
1191	<b>Rosu, S.M.; Guran, M. &amp; Dragomirescu, C.</b> <i>Expert System for Information System Risk Estimate at the Enterprise Level</i>
1193	<b>Rosu, S.M.; Rosu, L. &amp; Guran, M.</b> <i>Enterprise E-Learning Sites Development using Omt Methodology</i>
1195	<b>Rotaru, H.</b> <i>Audit Risk and Initiatives of Improvement</i>
1197	<b>Rugescu, D.R.</b> <i>Universe Recession Possibly Explained by Invariantive Mechanics</i>
1199	<b>Rugescu, R.D.; Silivestru, V.; Aldea, S. &amp; Ionescu, M.D.</b> <i>Designing the Chemical Kinetics Calorimeter as a Tool for Advanced Thermochemical Research</i>
1201	<b>Ruzarovsky, R.; Horvath, S. &amp; Velisek, K.</b> <i>Designing of Automated Manufacturing and Assembly Systems</i>
1203	<b>Ruzarovsky, R.; Matusova, M. &amp; Zvolensky, R.</b> <i>Machining Simulation Design by Software Catia</i>
	<b>S</b>
1205	<b>Sabau, E.; Iancu, H.; Hancu, L.; Bere, P. &amp; Popescu, C.</b> <i>The Maximum Delamination Force at Different Types of Composite Structures</i>
1207	<b>Saenz De Pipaon, J.; Rubio, E.; Villeta, M. &amp; Sebastian, M.A.</b> <i>Influence of Cutting Conditions and Tool Coatings on the Surface Finish of Workpieces of Magnesium Obtained by Dry Turning</i>
1209	<b>Salminen, K.; Nylund, H. &amp; Andersson, P.</b> <i>Improved Negotiation Process Within Distributed Manufacturing Systems</i>
1211	<b>Samak, S.; Samakoski, B. &amp; Sokolowski, Z.</b> <i>Exploiting Concurrency in Motion and Process Control</i>
1213	<b>Samoilescu, G.; Sergiu, N.; Dorian, M.; Bejan, M.; Moroianu, C. &amp; Bandrabur, D.L.</b> <i>Black Sea Waves, Energy Source</i>
1215	<b>Samoilescu, G.; Sergiu, N.; Dorian, M.; Bejan, M.; Moroianu, C. &amp; Bandrabur, D.L.</b> <i>Hydro Pneumatic Micro Power Station using Sea Waves</i>
1217	<b>Sandu, F.; Nedelcu, A.V.; Moraru, S.A. &amp; Borza, P.N.</b> <i>Aggregation of Automated Instrumentation via Internet using Remote Visa Calls</i>
1219	<b>Sansomboonsuk, S.</b> <i>The Efficiency Enhancement of Shell and Tube Heat Exchanger by Magnetic Field</i>
1221	<b>Sarbu, F.; Calefariu, G.; Popescu, R. &amp; Toma, V.</b> <i>Two Axle Orientation Device, Used in Positioning a Motion Picture Camera</i>
1223	<b>Sarbu, I.; Carausu, C.; Paraschiv, D.; Pruteanu, O. &amp; Tabacaru, L.</b> <i>Influence of the Work Parameters on the Microhardness of the Cold Plastic Deformed Surfaces</i>
1225	<b>Savii, G.; Neidenbach, N. &amp; Wolf, E.</b> <i>Mastering It Security Issues in Outsourcing</i>
1227	<b>Schor, V.; Sindila, G.; Popescu, D. &amp; Carutasu, N.</b> <i>System and Methodology for Analysing, Evaluating and Correcting Human Biped Locomotion</i>
1229	<b>Schreiber, P.; Vazan, P. &amp; Tanuska, P.</b> <i>Production Optimization by using Genetic Algorithms and Simulation Model of Production System</i>
1231	<b>Schumann, C.; Teich, T.; Militzer, J. &amp; Unger, K.</b> <i>An Evaluation of Existing Step Solutions for Automated Process Planning</i>
1233	<b>Scurtu, D. &amp; Ciobanu, B.</b> <i>Wings with Improved Aerodynamic Characteristics</i>
1235	<b>Scutelnicu, E.; Iordachescu, M. &amp; Iordachescu, D.</b> <i>Temperature Field at Dissimilar Metals Welding</i>
1237	<b>Sedlacik, R.; Ruzicka, J. &amp; Bienert, J.</b> <i>Fermenter Verification: Microbiology and Gas Production Monitoring</i>
1239	<b>Seghedin, N.; Cionca, D. &amp; Drosescu, R.</b> <i>Installation and Methodology for the Study of the Stability of Implants Used in Treating Femoral Neck Fractures</i>
1241	<b>Seiciu, P.L.; Laurian, T.; Filipoiu, I.D. &amp; Parvu, F.</b> <i>New Design Aspects of a Locomotory Rehabilitation Mechatronic System</i>
1243	<b>Seminsky, J. &amp; Wessely, E.</b> <i>Approaches of Layout Design Synthesis for Intelligent Manufacturing Systems</i>
1245	<b>Sewell, N.T.; Bassoli, E.; Gatto, A. &amp; Evans, K.</b> <i>Additive Layer Manufacture of Tensile Test Specimens in Stainless Steel 316L by Laser Consolidation</i>
1247	<b>Shin, S.K.; Goh, G.T. &amp; Seong, P.H.</b> <i>A Novel Intuitive Dynamic Modelling Method for Digital I&amp;C Systems in Nuclear Power Plants</i>

1249	<b>Shirobokov, K.</b> <i>Technology of Fibrous Materials Production from the Melt of Thermoplastic Materials by Means of Blow with Air</i>
1251	<b>Siketova, K.; Liska, J.; Horvath, S.; Ruzarovsky, R.; Dini, G. &amp; Failli, F.</b> <i>Preliminary Investigation on Performances of a Bernoulli Gripper in Grasping Leather Products</i>
1253	<b>Simicevic, V. &amp; Racic, I.</b> <i>Statistical Approach To the Difference between Public and Private Televisions in Prime Time Tv Commercials</i>
1255	<b>Simion, I.; Dobre, D. &amp; Marin, D.</b> <i>Cad System for Calculating Orientation Errors</i>
1257	<b>Simion, I.; Raicu, L. &amp; Arion, A.</b> <i>Formal Model for Describing Orientation Errors</i>
1259	<b>Simionescu, G. &amp; Ciucescu, D.</b> <i>An Analytical Approach of the Appearing of the Blowholes in the Casts</i>
1261	<b>Sindila, G. &amp; Ocnareescu, C.</b> <i>Experimental Research Regarding Electromagnetic Field Deformation</i>
1263	<b>Sindila, G.; Lupeanu, M. &amp; Rohan, R.</b> <i>Computer - Aided Metal Strip Layout</i>
1265	<b>Sintea, S.; Cooper, E.; Grebenisan, D. &amp; Bordea, N.</b> <i>Method for Welding Wire Consumption Optimization</i>
1267	<b>Sirbu, D.; Curseu, D.; Popa, M. &amp; Popa, M.S.</b> <i>Assesment for Management of Wastewater Quality from a Healthcare Unit - Case Study</i>
1269	<b>Skoczynski, W.; Roszkowski, A. &amp; Marek, B.</b> <i>Efficiency of Frictional and Mr Dampers in Model of the Robot Lance</i>
1271	<b>Skunca, M.; Loncar, D. &amp; Math, M.</b> <i>Aplication of Digitalization and Simulation To Coining</i>
1273	<b>Slatineanu, L.; Toca, A.; Mazuru, S.; Dodun, O. &amp; Coteata, M.</b> <i>Theoretical Model of the Surface Roughness at the End Milling with Circular Tips</i>
1275	<b>Sobolak, M.; Budzik, G. &amp; Borawska, P.</b> <i>Some Aspect of Accuracy and Quality of the Small Holes in Stereolithography and 3Dp Models</i>
1277	<b>Spanu, A.; Stoenescu, A. &amp; Anghel, F.</b> <i>Cad Method Used for Improving the Performances of Lifting Systems Used for Vehicles</i>
1279	<b>Spiryagin, M.; Spiryagin, V. &amp; Ulshin, V.</b> <i>Active Steering Control of a Rail Vehicle: a New Approach</i>
1281	<b>Staicu, S. &amp; Rugescu, R.D.</b> <i>Kinematics of the Spherical Parallel Robot</i>
1283	<b>Staicu, S.; Magheti, I. &amp; Carp Ciocardia, D.C.</b> <i>Kinematics of a 3-Prr Planar Parallel Manipulator</i>
1285	<b>Stamate, V.; Chicos, L.A.; Oancea, G. &amp; Lancea, C.</b> <i>Barothermopolymerization Apparatus with Electromagnetic Induction</i>
1287	<b>Stan, A.; Panduru, L. &amp; Lupu, R.</b> <i>Low Power Devices for Gestural Human - Computer Interaction</i>
1289	<b>Stan, G.; Florescu, I. &amp; Florescu, D.</b> <i>Constructive Measures for Increasing the Accuracy of the Machine Tools Having Vertically Moving Elements</i>
1291	<b>Stanasel, I.; Blaga, F.; Pantea, I. &amp; Buidos, T.</b> <i>Mathematical Model for Curvature Studies of the Flanks of Cylindrical Gear with Cycloidal Teeth</i>
1293	<b>Stanasel, I.; Dragomir, G.; Blaga, F.; Pantea, I. &amp; Stanasel, O.</b> <i>Integrated System for Modeling and Manufacturing the Cams</i>
1295	<b>Stanciu, M.; Curtu, I. &amp; Itu, C.</b> <i>Influence of the Strengthening Bars of Guitar'S Plates on the Normal Modes of Vibrations using Finite Element Method</i>
1297	<b>Stanciu, M.; Nicolescu, A.F.; Enciu, G. &amp; Ghinea, M.</b> <i>Intelligent Vision System for Grasping Error Compensation of a Wafer Manipulation Robot</i>
1299	<b>Stanciu, V.; Dan, S.; Stanciu, M. &amp; Curtu, I.</b> <i>Automatic Alignment System for Coordinates Measuring Machines</i>
1301	<b>Starko, K.</b> <i>Technology of Electronic-Beam Welding of Beryllium Bronze with Copper.</i>
1303	<b>Staroveski, T.; Majetic, D.; Udiljak, T. &amp; Mihaljevic, V.</b> <i>Machine Vision System for Seam Weld Detection in Longitudinally Welded Pipes</i>
1305	<b>Starshev, D.</b> <i>Influence of the Mode of the Cooling Under Grinding on Quality of Surface Layer</i>
1307	<b>Stefanescu, W.; Pugna, A. &amp; Pleniceanu, A.</b> <i>Studies Regarding Manufacturing Technologies of Natural Basalt Sintering Parts</i>
1309	<b>Stefanutu, I.; Vlad, D. &amp; Vrinceanu, N.</b> <i>Studies Concerning the Adherence Strength of Some Thermoglued Textile Ensembles – Results and Interpretations</i>
1311	<b>Sticlaru, C.; Davidescu, A.; Crainic, N. &amp; Faur, C.</b> <i>Studies on Stress and Strain State of a Hip Joint Endoprosthesis</i>
1313	<b>Stoia, D.I. &amp; Toth Tascu, M.</b> <i>Unicortical - Bicortical Behavior of a Hybrid Bone Screw</i>
1315	<b>Stoica, G.F.; Iordan, A.; Cananau, S. &amp; Grigoras, S.</b> <i>Use of Cross-Spectrum Measurement Technique in Finding Damping and Stiffness Properties of Polymers</i>
1317	<b>Stollmann, V. &amp; Vacek, V.</b> <i>Analytical Determination of Position of the Delta Cable System</i>
1319	<b>Stollmann, V.; Bozek, P.; Barborak, O.; Nascak, L. &amp; Walekova, G.</b> <i>Virtual Technologies for Specialized Robotic Workplaces</i>
1321	<b>Stopper, M. &amp; Katalinic, B.</b> <i>Design Aspects of the Opc Unified Architecture</i>
1323	<b>Strajescu, E. &amp; Sandu, I.</b> <i>The Kinematic Generation of the Directrix Curves of the Geometrical Surfaces</i>
1325	<b>Stroita, D.C.; Barglazan, M.; Manea, A.S. &amp; Balasoiu, V.</b> <i>Double-Flux Water Turbine Dynamics</i>

1327	<b>Stuparu, A.; Muntean, S.; Baya, A. &amp; Anton, L.E.</b> <i>Numerical Investigation of the Flow in a Straight and Bended Hydrofoil Cascade of an Inducer</i>
1329	<b>Sturm, B. &amp; Hofacker, W.</b> <i>Determination of Quality Changes during the Production of Dried Food Products using Colorimetry</i>
1331	<b>Sugar, P.; Sugarova, J. &amp; Morovic, L.</b> <i>Application of 3D Optical Scanning for the Shape Accuracy Analysis of Machine Parts Produced by Multi-Pass Metal Spinning</i>
1333	<b>Syrova, L. &amp; Ravas, R.</b> <i>The Use of Trace Transform for Classification of Visualized Transparent Polymeric Foils</i>
1335	<b>Szeidert, I.; Prostean, O.; Robu, A. &amp; Jurca, L.</b> <i>Windmill'S Design and Implementation Aspects</i>
1337	<b>Szentes, B. &amp; Gaal, Z.</b> <i>Management Aspects of E-Business – an Empirical Research</i>
	<b>T</b>
1339	<b>Tabacaru, L.</b> <i>The Influence of Working Parameters on Precision in Processing Short, Circular Honing, Processing of Pieces Made of Cast Iron 200</i>
1341	<b>Tabacaru, L. &amp; Nedelcu, D.</b> <i>The Influence of Working Parameters on Precision in Processing by Circular Vibro-Honing, Processing of Pieces Made of Cast Iron 200</i>
1343	<b>Tache, F.; Dobre, T. &amp; Chirilus, A.A.</b> <i>Enhanced Hybrid Composite for Advanced Aerospace Applications</i>
1345	<b>Tache, F.; Silivestru, V.; Dobre, T. &amp; Rugescu, R.D.</b> <i>Composites Fuel Tank Technology for the Nerva Launcher</i>
1347	<b>Tallis, A.; Jones, J. &amp; Wimpenny, D.</b> <i>Rapid Manufacturing of Bioceramic Implants by Direct Writing</i>
1349	<b>Talpos, I.; Pirtea, M. &amp; Dima, B.</b> <i>A Dynamic Portfolio Optimization Framework with Distinction between "Risk" and "Uncertainty"</i>
1351	<b>Tamas, L.; Lazea, G.; Robotin, R.; Marcu, C. &amp; Majdik, A.</b> <i>Mobile Robot Position Estimation Based on Multi Sensor Fusion</i>
1353	<b>Tamasila, M. &amp; Taucean, I.M.</b> <i>Model for the Analysis of the Innovation Level for It&amp;C Entrepreneurial Activity in Romania</i>
1355	<b>Tanasa, R.; Iuras, E. &amp; Carp, I.</b> <i>The Influence of Input Parameters in Case of Cold Plastic Deformation</i>
1357	<b>Taratinsky, I. &amp; Mogilnikov, P.</b> <i>Using Fuzzy Logig To Control the Position of a Two-Coordinate System and Its Application To Pneumatic Drives</i>
1359	<b>Tarca, R.; Tarca, I. &amp; Popentiu Vladicesu, F.</b> <i>Virtual and Remote Control Laboratory using Matlab</i>
1361	<b>Tarcolea, M.; Cotrut, C.M.; Ciuca, S.; Soare, V. &amp; Surcel, I.</b> <i>Titanium Obtaining Through Electrochemical Reduction of Titanium Dioxide in Chlorinated Media</i>
1363	<b>Tarnita, D.; Tarnita, D.; Bizdoaca, N.; Negru, M. &amp; Copilus, C.</b> <i>Modular Orthopedic Implants for Forearm Bones Based on Shape Memory Alloys</i>
1365	<b>Tatar, O.; Mandru, D.; Alutei, A. &amp; Lungu, I.</b> <i>Minirobots with Adaptable Structure</i>
1367	<b>Tatarciuc, M. &amp; Vitalariu, A.</b> <i>Studies on the Corrosion Behavior of the Dental Alloys</i>
1369	<b>Tataru, M.B.; Rus, A. &amp; Abrudan, G.</b> <i>Modeling and Simulation of a Vibratory Machine Mechanical System with Elastic-Damped Supporting Elements</i>
1371	<b>Taucean, I.M. &amp; Tamasila, M.</b> <i>Strategy Development Model for Innovation in Entrepreneurship</i>
1373	<b>Teodorescu, H. &amp; Motoc Luca, D.</b> <i>The Influence of the Post-Curing Treatment on the Mechanical Properties of the Glass Fibers Mat Polymeric Composite Materials</i>
1375	<b>Teodorescu, H.; Vlase, S.; Motoc Luca, D.; Scutaru, M.L.; Stanciu, A. &amp; Rosu, D.</b> <i>New Ultra Lightweight and Extreme Stiff Sandwich Composite Structure for Multiple Applications</i>
1377	<b>Teusdea, A.C. &amp; Gabor, G.</b> <i>Fingerprint Recognition with Phase-Only Correlation</i>
1379	<b>Teusdea, A.C.; David, I. &amp; Mancia, A.</b> <i>Subsurface Drainage and Its Reversible Facilities in Subirrigation</i>
1381	<b>Teusdea, A.C.; Modog, T. &amp; Mancia, A.</b> <i>Dragan Dam Deformations Analysis with Fourier Correlation</i>
1383	<b>Thierheimer, W.; Tane, N. &amp; Thierheimer, D.</b> <i>Possibilities the Rolling Reduction by Referencing Direction with Suspension Correlation</i>
1385	<b>Thierheimer, W.; Tane, N. &amp; Thierheimer, D.</b> <i>Studies Concerning the Rolling Motion Reduction by Controlling the Steering and Gear and the Spring Rigging Correlation</i>
1387	<b>Tiba, Z.</b> <i>Application of the Kinematic Model Construction in the Medical Field</i>
1389	<b>Tierean, M.; Baltas, L. &amp; Eftimie, L.</b> <i>Design of the Bridges Structures using Mathcad</i>
1391	<b>Tierean, M.; Baltas, L. &amp; Eftimie, L.</b> <i>Optimisation of Structures Based on Reliability</i>
1393	<b>Titu, M.; Bucur, V. &amp; Ghitescu, T.</b> <i>A Model About the Organizational Stress Management</i>
1395	<b>Todericiu, R.; Muscalu, E. &amp; Titu, M.</b> <i>Contribution About the Quality Management in the Higher Education</i>
1397	<b>Toma, V. &amp; Marascu Klein, V.</b> <i>Method of Setting Up Maintenance Strategy</i>
1399	<b>Tomic, M.</b> <i>Improving Denoising Performance with Adaptive Wavelet Transforms</i>
1401	<b>Tomic, M.</b> <i>Wavelet Transforms with Application in Signal Denoising</i>
1403	<b>Tomoiaga, T.; Alexei, A.; Marinescu, M. &amp; Badea, A.</b> <i>Coordinate Conversions and Transformations</i>

1405	<b>Tomuletiu, E.A.; Oroian, M. &amp; Pop Lupu, A.</b> <i>Building Human Resources in Romania: Practices and Opportunities</i>
1407	<b>Tonoiu, S. &amp; Catana, M.</b> <i>Fundamental Features of Technological Systems Rigidity</i>
1409	<b>Tonoiu, S. &amp; Catana, M.</b> <i>Methodology for Experimental Determination of Static Rigidity for Normal Lathes</i>
1411	<b>Topliceanu, L.</b> <i>The Analyze of the Life Cycle for a Pneumatic Connector</i>
1413	<b>Trso, M.; Turnova, Z.; Nesvadba, P. &amp; Turna, M.</b> <i>Explosion Surfacing of Mg Alloys with Aluminium and Crni Austenitic Steel</i>
<b>U</b>	
1415	<b>Udiljak, T.; Mulc, T. &amp; Ciglar, D.</b> <i>Applying Signals of Control System in Tool Wear Monitoring</i>
1417	<b>Udroiu, R.</b> <i>Integrated Design and Manufacturing System for Blades Mould</i>
1419	<b>Uebel, M.; Buerger, W.; Schoele, H.; Stoerzner, F.; Meudtner, A. &amp; Stibritz, G.</b> <i>Requirements To Precision Laser Cutting Processing of Refractory Metals</i>
1421	<b>Unger, K.; Militzer, J.; Zimmermann, M.; Gaese, T.; Winkler, S. &amp; Teich, C.</b> <i>Flexibly Preparing Offers by Adapting Functional Resources</i>
1423	<b>Ungur, P.; Pop, P.; Gordan, M.; Gordan, C. &amp; Pop, M.</b> <i>Mathematical Model for Study and Assessing of Adhesive Attrition Process of Coupling Elements in Sliding Friction</i>
1425	<b>Ungur, P.; Pop, P.; Ungur, P.; Gordan, M. &amp; Veres, M.</b> <i>The Efficient Measurement Method of Phonic-Absorbent Coefficient for Construction Materials</i>
1427	<b>Ungur, P.; Pop, P.; Ungur, P.; Veres, M. &amp; Craciun, D.</b> <i>Valve with Umbilicus for Painting by Hydraulic Spraying of Construction Materials</i>
1429	<b>Ungureanu, D.; Kristaly, D.; Sintea, S.; Vulpe, A.D. &amp; Perniu, L.</b> <i>Aspects Regarding the Programming of Control Systems for Industrial Processes</i>
1431	<b>Ungureanu, N.; Ungureanu, M. &amp; Cotetiu, R.</b> <i>Evaluation of Maintenance Systems</i>
<b>V</b>	
1433	<b>Vacarescu, V.; Lovasz, E.C. &amp; Vacarescu, C.F.</b> <i>The Modelling of End-Effector'S Pose Errors for the Equivalent Kinematical Chain of the Upper Human Limb</i>
1435	<b>Vacarescu, V.; Lovasz, E.C.; Vacarescu, C.F. &amp; Margineanu, D.</b> <i>The Method for the Evaluation of Spinal Column Posture</i>
1437	<b>Valentan, B.; Drstvenssek, I.; Brajljli, T.; Hribernik, A. &amp; Balic, J.</b> <i>Investment Casting Wax Part Cooling Time Determination</i>
1439	<b>Vancea, S.; Horja, I.M.; Avram, E.L. &amp; Ignat, A.</b> <i>The Future Trend of the Option Market in Romania</i>
1441	<b>Varban, R.C.; Parpala, R.C. &amp; Predincea, N.</b> <i>Dynamic and Thermal Analysis of the Feed Drive System</i>
1443	<b>Vargova, J.; Badida, M. &amp; Hricova, B.</b> <i>Product Design and Sustainable Development in Engineering Process</i>
1445	<b>Vartolomei M, M.; Jadaneant, M.; Vartolomei, M.; Popescu, M. &amp; Draghia, M.</b> <i>Quality and Cost Improvement in Specific Vehicles Manufacturing</i>
1447	<b>Vartolomei, M.; Milos, T. &amp; Vartolomei M, M.</b> <i>Economic Engineering Study Regarding Aeolian Installation Manufacturing System using Cpm and Pert Methods</i>
1449	<b>Vasar, C.; Biriescu, M. &amp; Mihet Popa, L.</b> <i>In-Network Aggregation with Size Reduction for Wireless Sensor Networks – Quantitative Analysis</i>
1451	<b>Vasicek, V.; Budimir, V. &amp; Letinic, S.</b> <i>Performance Indicators in Public Sector Entities Management</i>
1453	<b>Vatau, S. &amp; Cioi, D.</b> <i>Graphical User Interface for Quadruped'S Leg Robot</i>
1455	<b>Vatau, S. &amp; Cioi, D.</b> <i>Jrobo: Simulation and Control with Java for Quadruped Robot</i>
1457	<b>Vaupotic, B. &amp; Pahole, I.</b> <i>Rapid Prototyping of Control Device for Preventive Control of Children Plaything</i>
1459	<b>Vaupotic, B.; Balic, J. &amp; Cus, F.</b> <i>Neural Network Model for Turning Operation</i>
1461	<b>Vazan, P.; Moravcik, O. &amp; Krizanova, G.</b> <i>The Comparison of Selected Algorithms of Simulation Optimization</i>
1463	<b>Velisek, K.; Kostal, P. &amp; Mudrikova, A.</b> <i>Virtual Laboratory in Pneumatic Systems Education</i>
1465	<b>Vesely, L. &amp; Zbranek, P.</b> <i>Sensorless Control for Interior Permanent Magnet Synchronous Motor with Extended Kalman Filter</i>
1467	<b>Vesely, M.</b> <i>Mobile Robotic Testing Platform</i>
1469	<b>Vesselenyi, T.; Moga, I. &amp; Mudura, P.</b> <i>Flexible System for Metallography Analysis</i>
1471	<b>Veza, I.; Gjeldum, N.; Bilic, B. &amp; Bajic, D.</b> <i>Reduction of Oscillating Demand Magnification Effect in Supply Chain</i>

1473	<b>Viglasky, J.; Langova, N.; Danihelova, A.; Suchomel, J. &amp; Andrejcek, I.</b> <i>A Binary Energy Source of a Timber-Drier</i>
1475	<b>Vilag, V.; Popescu, J.; Petcu, R.; Bogoi, A. &amp; Silivestru, V.</b> <i>Numerical Study of an Axial Gas-Turbine Stage</i>
1477	<b>Vindis, P. &amp; Mursec, B.</b> <i>Construction for Anaerobic Digestion and Biogas Production</i>
1479	<b>Vintila, G.; Barbu, T.; Nedelescu, M.; Preda, O. &amp; Stanescu, C.</b> <i>Business Strategies in the Romanian Banking System</i>
1481	<b>Vintila, G.; Preda, O.; Nedelescu, M. &amp; Stanescu, C.</b> <i>New Trends and Orientations in Indian Consumer Behaviour</i>
1483	<b>Visan, D.; Birsan, D.; Mircea, O. &amp; Constantin, E.</b> <i>Fea of Aluminium Fsw: Temperature Field and Stresses</i>
1485	<b>Vitalariu, A. &amp; Comaneci, R.</b> <i>Evaluation of Modern Post and Core Systems by Testing the Mechanical Fatigue Resistance</i>
1487	<b>Vlasceanu, D.; Cotrut, C.M.; Tarcolea, M.; Baci, F. &amp; Nicodim, M.</b> <i>Investigation of the Hard Films Deposited by Pvd-Magnetron Sputtering on the Cutting Tools</i>
1489	<b>Vlase, A.; Ghionea, I.; Munteanu, G. &amp; Ghiorghe, A.</b> <i>Evaluation of the Cutting Edge Wear and of the Technological Speed for the 13H1 IN2V2Mjs Stainless Steel Turning</i>
1491	<b>Vlase, S.; Modrea, A.; Burca, I.; Purcarea, R.; Munteanu, M.V. &amp; Scutaru, M.L.</b> <i>Experimental Results Concerning the Geometric, Structural and Dimensional Differences in Fiber Reinforced Composites</i>
1493	<b>Vlase, S.; Munteanu, M.V. &amp; Scutaru, M.L.</b> <i>On the Topological Description of the Multibody Systems</i>
1495	<b>Vlase, S.; Purcarea, R.; Munteanu, M.V. &amp; Scutaru, M.L.</b> <i>On the Dynamic Analysis of an Elastic Multi-Bodies System</i>
1497	<b>Vlase, S.; Purcarea, R.; Scutaru, M.L. &amp; Munteanu, M.V.</b> <i>Eigenvalues and Eigenvectors of the Elastic Systems with Three Identical Parts</i>
1499	<b>Voicu, A.R. &amp; Ionescu, A.</b> <i>Romania a Banking Network Puzzle</i>
1501	<b>Voicu, V.</b> <i>Business Intelligence - Main Instrument of Modern Management</i>
1503	<b>Volf, I.; Badea, C.; Ciobanu, B. &amp; Carausu, C.</b> <i>New Prototype Equipment with UV Radiation for Water Purification Processes</i>
1505	<b>Vologdin, S.</b> <i>Development of a Package of the Applied Programs in the Field of Power Savings</i>
1507	<b>Vosniakos, G.C.; Gogouvitis, X.V.; Fidler, B. &amp; Valcuha, S.</b> <i>Preliminary Technical Design Methodology of Manufacturing Systems</i>
1509	<b>Vrdoljak Raguz, I. &amp; Jelenc, L.</b> <i>Qualitative Approach of Value Creation Measurement in Realisation of Organizational Effectiveness</i>
1511	<b>Vrinceanu, N.; Coman, D.; Sandu, I. &amp; Grigoriu, A.</b> <i>Surface Microstructuring of Polyester Fabrics by UV Excimer Laser Irradiation</i>
1513	<b>Vrinceanu, N.; Sandu, I.; Stefanuta, I. &amp; Vlad, D.</b> <i>Studies on the Adherence of the Thermoglued Textile Ensembles -Method and Instrument Used</i>
1515	<b>Vujica Herzog, N.; Polajnar, A. &amp; Kostanjevec, T.</b> <i>Value Stream Mapping for Effective Lean Manufacturing</i>
1517	<b>Vujcic Tomic, B.; Pogarcic, I. &amp; Nizic, B.</b> <i>Is Open Source Really Free of Charge?</i>
1519	<b>Vukmirovic, S.; Erdeljan, A. &amp; Capko, D.</b> <i>Exstension of Iec'S Generic Data Access with a Locking Mechanism</i>
1521	<b>Vukovic, A.; Mikac, T. &amp; Ikonic, M.</b> <i>New Product Definition Process with Product Lifecycle Management Concept Approach</i>
1523	<b>Vulpe, A.D.; Vulpe, M.C.; Sisak, F.; Moraru, S.A.; Kristaly, D.M. &amp; Bujdei, C.</b> <i>An Open-Source Implementation for Rfc3881</i>
<b>W</b>	
1525	<b>Weiss, E. &amp; Weiss, Z.</b> <i>Rapid Prototyping and Vacuum Casing Technology in the Production of Injection Moulding Tools – Case Study</i>
1527	<b>Wessely, E.; Kralikova, R. &amp; Krupa, M.</b> <i>Efficient Management in Production Companies by Implementation of Plm</i>
1529	<b>Wolny, R.</b> <i>Analysis of Machine-Tool Spindle Assemblies</i>
1531	<b>Wolny, R.</b> <i>New Solution of the Technological Process of Pressure Casting Die</i>
1533	<b>Wongkasem, K. &amp; Rittidech, S.</b> <i>Mathematical Model of a Closed Loop Oscillating Heat Pipe in Presence of Magnetic Field</i>
<b>Y</b>	



- 1535 **Yadroitsev, I.; Bertrand, P.; Laget, B. & Smurov, I.** *Selective Laser Melting for Medical Applications*  
 1537 **Yiangkamolsing, C. & Erik, B.** *Priority Arrangement for Product Design Assessment*

## Z

- 1539 **Zaharia, S.M. & Martinescu, I.** *Optimizing the Life Cycle of Aerospace Products using Accelerated Life Testing*  
 1541 **Zajac, J. & Chwajol, G.** *Towards Agent-Based Manufacturing Systems*  
 1543 **Zapciu, M.; Knevez, J.Y.; Cahuc, O.; Gerard, A. & Bisu, C.** *Experimental Dynamic Characterization of Machine Tool Spindle*  
 1545 **Zapciu, M.; Tilina, D. & Tilina, D.I.** *Risk Management for New Products*  
 1547 **Zbranek, P. & Vesely, L.** *State Estimation using Interval Analysis on Synchronous Motor Model Simulation*  
 1549 **Zeqiri, H.; Salihu, A.; Bunjaku, A.; Osmani, H. & Zeqiri, F.** *Research of the Arithmetic Average of Processing by Lathing of Hardened Steel 42Crmo4*  
 1551 **Zgodavova, K. & Slimak, I.** *Advanced Improvement of Quality*  
 1553 **Ziljak, I.; Mrcelic, Z.; Dujic, L.; Marincel, P. & Ziljak Vujic, J.** *Research of Mutant Screen Element Stochastic Application*  
 1555 **Zirra, D.** *Correlations between Entrepreneurship Framework and Economic Performances*  
 1557 **Zitinski Elias, P.; Tomasegovic, T. & Modric, D.** *Modelling of Dispersion and Reflection of Light on Paper Surface*  
 1559 **Zivic Djurovic, M.; Morovic, M. & Djurovic, G.** *Analysis of the Commercial Quality for Electricity Grid Users*  
 1561 **Zuperl, U.; Cus, F. & Balic, J.** *Machining Parameter Optimization using Ant Colony System*

## Additional Papers

- €€€1 **Abrudan, G.; Rus, A.; Vesselenyi, T.; Abrudan, A. & Tataru, M.** *Analysis of Oscillatory Conveyor Separator*  
 €Í J **Brabie, G. & Nanu, N.** *Optimum Design of Tool and Process in the Case of Metal Sheets Drawing by Applying the Taguchi Experimental Design Method*

