

34.	Ilare BORDEASU, Mircea Octavian POPOVICIU, Cristian GHERA, Laura Cornelia SALCIANU, Lavinia Madalina MICU, Corneliu Eusebiu PODOLEANU	CAVITATION EROSION BEHAVIOR OF THE STEEL 17CrNiMo6
35.	László GOGOLÁK, Igor FÜRSTNER	LINEAR ELECTRIC MOTORS – NEW POSSIBILITIES FOR SMART LINEAR MOTION
36.	Miroslav VULIĆ, Eleonora DESNICA, Aleksandar TOMOVIĆ	ANALYSIS OF NEW TECHNICAL SOLUTION IN PROCESS OF DETOXIFICATION ELV FROM ENVIRONMENTAL ASPECT
37.	Hakan GÜRÜN, Uğur ARABACI	ESTIMATION BY FUZZY LOGIC OF ABRASIVE WEAR PROPERTIES OF COATED VALVES SURFACES BY TIG WELDING
38.	Uros ZUPERL, Franc CUS	END-MILLING FORCE CONTROL SYSTEM WITH SURFACE ROUGHNESS MONITORING
39.	Vasile ALEXA, Sorin RAȚIU	CLAMPING AND SUSPEND SYSTEMS TO MANIPULATIONS DOCKING RAMPS
40.	Silviu Răzvan AVRAM	EXTERNAL FACTORS INFLUENCE ON THE METAL COFFERDAM WALLS PROTECTING RIVERS IN CASE OF NATURAL DISASTERS
41.	Imre KISS, Vasile George CIOATA	INNOVATIVE, SAFE AND COST-EFFICIENT LIGHT-WEIGHTING SOLUTIONS IN THE AUTOMOTIVE WHEEL MANUFACTURING
42.	Onur ÇAVUŞOĞLU, Gökhan KÜÇÜKTÜRK	COMPUTER-AIDED STRIP LAYOUT FOR PIERCING AND CUTTING DIES
43.	Ramazan ÇAKIROĞLU, Adem ACIR	OPTIMIZATION OF PROCESS PARAMETERS OF SURFACE ROUGHNESS INAL-7075 DRILLING PROCESS
44.	Adem ACIR, Ramazan ÇAKIROĞLU, Yakup YURGUT, Selçuk YAĞMUR	DETERMINATION OF OPTIMUM PARAMETERS OF CUTTING FORCE IN DRILLING OF B4C ALUMINUM COMPOSITE WITH TAGUCHI METHOD
45.	İsmail TEKAÜT, Halil DEMR, Hacı Bekir ÖZERKAN, Ulvi ŞEKER	EFFECTS OF CUTTING PARAMETERS ON THE CUTTING FORCE AND TORQUE IN DRILLING OF AISI D2 STEEL
46.	Duran KAYA, Gökhan KÜÇÜKTÜRK, H. Bekir ÖZERKAN	AN EXPERIMENTAL STUDY OF THE EFFECT OF ABRASIVE WATER JET AND LASER BEAM ON THE SURFACE INTEGRITY
47.	Nenad KOLAREVIĆ, Nebojša KOSANOVIĆ, Marko MILOŠ	TIP-JET HELICOPTER PROPULSION SYSTEM TESTING
48.	Vule RELJIC, Dragan SESLIJA, Jovan SULC, Brajan BAJCI, Slobodan DUDIC, Ivana MILENKOVIC	MODULAR CONSTRUCTION OF CIRCULAR MANIPULATOR AS A TEST BED FOR TESTING PNEUMATIC CONTROL
49.	Selçuk YAĞMUR, Yafes ÇAVUŞ, Abdullah KURT, Hasan Basri ULAŞ, Ulvi ŞEKER	INVESTIGATION OF MACHINING CARBON FIBER REINFORCED COMPOSITE MATERIALS WITH SOLID CEMENTITE CARBIDE TOOLS
50.	Aleksandar ĐURIĆ, Miroslav VULIĆ, Una MARČETA, Bogdana VUJIĆ, Milan PAVLOVIĆ	RISK ASSESSMENT EMISSION OF POLLUTION FROM ROAD TRANSPORT IN THE URBAN AREA CITY OF ZRENJANIN IN THE AIM OF ENVIRONMENT PROTECTION – USING THE SOFTWARE ADMS-ROADS

THE SYMPOSIUM AGENDA

UNIVERSITY OF NOVI SAD, FACULTY OF TECHNICAL SCIENCES, SERBIA
POLITEHNICA UNIVERSITY TIMISOARA, FACULTY OF ENGINEERING, ROMANIA
UNIVERSITY OF SZEGED, FACULTY OF ENGINEERING, HUNGARY



The Ninth International Symposium Machine and Industrial Design in Mechanical Engineering

9 - 12 June 2016, Hotel Marina, Balatonfüred, Hungary

THURSDAY 9th JUNE 2016

Time	Place	Activities
15.00 – 17.00	The reception hall in Hotel Marina	Registration of symposium participants *

* If some authors cannot arrive in this time, they could registrate theirselves on Friday before symposium opening.



FRIDAY 10th JUNE 2016

Time	Place	Activities
09.00 – 09.15	The symposium hall in Hotel Marina	Opening the symposium KOD 2014 Prof . Dr. Siniša Kuzmanović, University of Novi Sad Prof . Dr. Imre Kiss, Politehnica University Timisoara Prof . Dr. Istvan BIRO, University of Szeged Prof . Dr. Radivoje Mitrović, representative of ADEKO Prof . Dr. Dragan Šešlija, Vice Dean of Fac. of Technical Sci.
09.15 – 11.00	The symposium hall in Hotel Marina	<i>Moderators:</i> Prof . Dr. Gorazd Hlebanja, HEC, Novo Mesto Prof . Dr. Vojislav Miltenović, FME, Niš Prof . Dr. Milosav Ognjanović, FME, Belgrade

1.	Milosav OGNJANOVIĆ, Dragan DŽODAN	DESIGN OF AUTOMOTIVE GEARBOX WITH TOP PROPERTIES BASED AT HYBRID AND CVT APPROACH
2.	Gorazd HLEBANJA, Marjan JENKO	FORMATION OF A VIRTUAL DESIGN DEPARTMENT FOR DEVELOPMENT OF HIGH-TECH PRODUCTS IN AN SME
3.	Dejan LUKIC, Miodrag MILOŠEVIĆ, Jovan VUKMAN, Stevo BOROJEVIĆ, Mića ĐURĐEV, Aco ANTIĆ	COST ESTIMATION IN THE EARLY STAGE OF PRODUCT DEVELOPMENT
4.	Dragoljub NOVAKOVIĆ, Ivan PINČJER, Stefan ĐURĐEVIĆ, Gojko VLADIĆ, Nemanja KAŠIKOVIĆ, Uroš NEDELJKOVIĆ	IMPROVEMENT OF E-LEARNING PROCESS OF PACKAGING RAPID PROTOTYPING COMPUTER NUMERICAL CONTROL MACHINE SYSTEMS
5.	Zoran ANIŠIĆ, Igor FÜRSTNER, Atila NAĐ, Nemanja SREMČEV, László GOGOLÁK	DEVELOPMENT OF IMPROVED WHEEL HUB PROTOTYPE THROUGH IDEALAB PLATFORM FOR STUDENTS'S CONTEST
6.	Gojko VLADIĆ, Dragoljub NOVAKOVIĆ, Nemanja KAŠIKOVIĆ, Ivan PINČJER, Stefan ĐURĐEVIĆ	TRANSFORMING PRODUCT-CONSUMER COMMUNICATION THROUGH AUGMENTED REALITY TECHNOLOGY
7.	Marija MATEJIC, Milos MATEJIC, Marijana MILICEVIC, Lozica IVANOVIC	A NEW CONCEPT OF BICYCLE FRAME DESIGN
8.	Stefan ILIC, Nenad MILORADOVIC, Rodoljub VUJANAC	3D MODELLING OF CONSTRUCTION TOWER CRANE
9.	Maja ČAVIĆ, Marko PENČIĆ, Miodrag ZLOKOLICA	STRUCTURAL SYNTHESIS OF THE MANIPULATOR OF THE THERMOFORMING MACHINE
10.	Marko PENČIĆ, Maja ČAVIĆ, Miodrag ZLOKOLICA	ANALYSIS OF THE CONCEPTUAL SOLUTIONS OF BIOMASS PELLET MILL

Time	Place	Activities
11.00 – 11.15	The symposium hall in Hotel Marina	Refreshment break
11.15 – 14.00	The symposium hall in Hotel Marina	<i>Topic:</i> GENERAL MECHANICAL STRUCTURES <i>Moderators:</i> Prof . Dr. Mirko Blagojević, FE, Kragujevac Prof . Dr. Pavel Kovač, FTS, Novi Sad
11.	Boris STOJIĆ, Aleksandar POZNIĆ	DETERMINATION OF BASIC MECHANICAL PARAMETERS OF THE TRACTOR TYRE BY USING UNIVERSAL APPROACH
12.	Mirko BLAGOJEVIĆ, Miloš MATEJIĆ	STRESS AND STRAIN STATE OF CYCLOID GEAR UNDER DYNAMIC LOADS

13.	Dušan JEŠIĆ, Pavel KOVAČ, Borislav SAVKOVIĆ, Marin GOSTIMIROVIĆ, Ivan SOVLJ-NIKIĆ	USE OF SUN-AND-PLANET MECHANISM IN EDUCATIVE SYSTEM
14.	Jelena STEFANOVIĆ-MARINOVIĆ, Sanjin TROHA, Miloš MILOVANČEVIĆ	EFFICIENCY AS AN EXPRESSION OF PLANETARY GEAR TRAIN ENERGY LOSSES
15.	Aleksandar MILTENOVIC, Milan BANIC, Đorđe MILTENOVIC	LOAD CAPACITY OF CYLINDRICAL WORM GEARS ACCORDING TO DIN 3996-2012
16.	Siniša KUZMANOVIĆ, Milan RACKOV, Ivan KNEŽEVIĆ, Miroslav VEREŠ	ANALYSIS OF SELECTION PROCEDURES OF UNIVERSAL WORM GEAR UNITS
17.	Slavica MAČUŽIĆ, Jovanka LUKIĆ	NUMERICAL ANALYSIS OF MOTORCYCLE SUSPENSION SYSTEM
18.	Nadica STOJANOVIC, Jasna GLISOVIC, Ivan GRUJIC	INFLUENCE OF VANES SHAPE ON FLOW VELOCITY OF VENTILATED DISC IN HEAVY TRUCK BRAKING
19.	Nebojša NIKOLIĆ, Jovan DORIĆ, Mitar JOCANOVIĆ	A COMPUTER PROGRAM FOR THE VISUALIZATION OF IC ENGINE CRANKSHAFT MAIN BEARINGS LOAD
20.	Ivan GRUJIC, Danijela MILORADOVIC, Nadica STOJANOVIC	NONLINEAR KINEMATICS OF ENGINE CRANK-PISTON MECHANISM
21.	Vasile George CIOATĂ, Imre KISS	DYNAMIC ANALYSIS AND PARAMETRIC OPTIMISATION OF THE CONNECTING ROD USING AUTODESK INVENTOR
22.	Jovan DORIĆ, Nebojša NIKOLIĆ	NEW INTERNAL COMBUSTION ENGINE
23.	Olimpia COROIAN	STUDY ON BEHAVIOUR IN SERVICE OF DIESEL ENGINES AND ASPECTS CONCERNING THEIR MAINTENANCE
24.	Sorin RAȚIU, Vasile ALEXA	GASODYNAMIC STUDY OF THE INTAKE ROUTE AT A SPARK-IGNITION ENGINE
25.	Aleksandar POZNIC, Danijela MILORADOVIC, Boris STOJIC	ON MAGNETORHEOLOGICAL BRAKE FEM MODELING
26.	Tiberiu Ștefan MĂNESCU, Cristian Marius MIMIȘ, Zeno-Iosif PRAISACH	THE INFLUENCE OF THE ECCENTRICITY ON SAFETY COEFFICIENT ON A BUTTERFLY VALVE BIPLANE DISC

SATURDAY 11th JUNE 2016

Time	Place	Activities
9.00 – 11.00	The symposium hall in Hotel Marina	<i>Topic:</i> MACHINE ELEMENTS <i>Moderators:</i> Prof . Dr. Csaba Gyngye, FME, Cluj Napoca Prof . Dr. Ilare Bordeasu, FME, Timisoara
27.	Cristian Marius MIMIȘ	DIRECTIONAL DEFORMATION OF THE BIPLANE DISC BY MOVING THE ECCENTRICITY
28.	Dragan RUŽIĆ, Mirko SIMIKIĆ	GEOMETRY CHARACTERISTICS OF HUMAN BODY MODEL SUITABLE FOR SIMULATION OF THERMAL COMFORT IN AN AGRICULTURAL VEHICLE
29.	Florin CORCIOVA, Gheorghe-Daniel VOINEA, Andrei MARCU, Ivan KNEŽEVIĆ, Milan RACKOV	DEVELOPMENT AND MANUFACTURING OF SENSOR CASES FOR MEMS INERTIAL MEASUREMENT UNITS
30.	Gábor PINTYE, Gheorghe ACHIMAȘ, Csaba GYENGE	AUTOMATIC TECHNOLOGY FOR GLUING CERAMIC HOBS
31.	József SÁROSI	COMPARISON OF DIFFERENT FLUID MUSCLES
32.	Silviu Dan AVRAM, Silviu Răzvan AVRAM, Tiberiu Ștefan MĂNESCU	LUBRICATION REGIME INFLUENCE ON COLD STAMPING PARTS
33.	Aleksandar DIMIC, Zarko MISKOVIC, Drago JELOVAC, Radivoje MITROVIC, Miletta RISTIVOJEVIC, Marija MAJSTOROVIC	APPLICATION OF RAPID PROTOTYPING IN MAXILLOFACIAL SURGERY