
Section 1 Advanced Materials

Friday, 27.05.2011

Chairmen: Prof. dr. eng. **Vasile COJOCARU-FILIPCIUC**
Prof. dr. eng. **Iulian RIPOSAN**

1	ALEXANDRU ADRIAN, BARBU GELU , MICROHARDENESS RESEARCHES ON DEPOSED HARD LAYERS 40Cr10 STEEL FOR MACHINE PARTS FRACTAL
2	BARBU GELU, ALEXANDRU ADRIAN , QUALITY IMPROVEMENT OF CAST IRON BY DYNAMIC SOLIDIFICATION
3	BRÂNDUȘAN LIVIU, BATIN GABRIEL, MUREȘAN RADU , STUDIES ON BREAKING PROCESS OF SINTERED MATERIALS
4	BRUNO NICKOLAUS M., CIOCANEL CONSTANTIN, FEIGENBAUM HEIDI P. , NUMERICAL PREDICTIONS AND EXPERIMENTAL VALIDATION OF THE VOLTAGE INDUCED IN A COIL BY DYNAMICALLY LOADED NiMnGa SPECIMENS
5	CALANCIA OVIDIU, CAȚARSCHI VASILE , RESEARCHES CONCERNING THE PROCUREMENT AND CHARACTERIZATION OF SOME PERMEABLE POROUS SINTERED MATERIALS OF BRONZE POWDERS FOR FILTERING ELEMENTS BY 25% POROSITY, Part I
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9	DUNCHEVA G., NENCHEV P., ANCHEV A. , INFLUENCE OF CLOSED CELL ELASTOMER SCALE FACTOR ON THE PASSING POWER FLOW TRANSFORMATION
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13	GRIMBERG RAIMOND, SAVIN ADRIANA, STEIGMANN ROZINA, DOBRESCU GABRIEL SILVIU, IFTIMIE NICOLETA , DETERMINATION OF ELASTIC TENSOR OF CFRP THROUGH ULTRASOUND PROCEDURES
14	IORGA ALEXANDRU, SABAN RAMI, PALII LIVIU, PATROI A. EROS, IORGA SORIN , THERMO-SENSITIVE MAGNETIC PROPERTIES IN THE ALLOY SYSTEM Cr-Ni-Fe
15	IORGA SORIN, COJOCARU MIHAI, IORGA ALEXANDRU , KINETICS OF THE LAYERS FORMATION IN IRON MATRICES THROUGH CARBOCROMIZATION
16	KOROTCENKOV G., CHO B.K. , OPTIMIZATION OF SnO ₂ -BASED GAS SENSORS VIA BULK DOPING: DO WE HAVE ANY LIMITATIONS?
17	NEJNERU CARMEN, PERJU MANUELA CRISTINA, LĂRGEANU ANCA ELENA, AXINTE MIHAI , ROUGHNESS DETERMINATION FOR THE DEPOSITED LAYERS ON THE CAST IRON AND STEEL BY ESD METHOD
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27	URSU MIHAI-IONEL, IONESCU CRISTIAN-FLORIAN, DUMITRU CONSTANTIN, THE CHARACTERIZATION (SURFACE ANALYSIS, NANOINDENTATION, TRIBOLOGY) OF SOME MAGNETRON-SPUTTERED TUNGSTEN CARBIDE COATINGS DEPOSITED ON A LOW CARBON ALLOY STEEL
28	YURCHO ANTHONY, PETERS KLAUS-MARKUS, HETZEL BRIAN, ZELLER MATTHIAS, WAGNER TIMOTHY, SOLOMON VIRGIL, MICROSTRUCTURAL AND COMPOSITIONAL INVESTIGATION OF Al-ALLOY-Al ₂ O ₃ CERAMIC-METALLIC COMPOSITES SYNTHESIZED BY REACTIVE MELT PENETRATION

Section 2

Modern technologies and equipment in Material science

Friday, 27.05.2011

Chairmen: Prof. dr. eng. **Dan-Gelu GĂLUȘCĂ**
Prof. dr. eng. **Adrian DIMA**

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3	BIRO FRANCISC, SUSAN MIHAI, ILIESCU VIOREL, GAVRILĂ BOGDAN, CRISTODULO ORESTE, APREUTESEI BOGDAN, ABOUT THE POSITIONING OF THE ULTRASONIC ENERGY REFLECTORS DURING THE PROCESS OF THE THIN AND VERY THIN WIRES DRAWING
4	BORLA (GOIA) MARIA, ZIRBO GHEORGHE, RESEARCH REGARDING THE BEHAVIOR OF WASTE FOUNDRY SANDS WITH ORGANIC BINDERS IN THE THERMAL REGENERATION
5	BURADA MARIAN, SOARE VASILE, CONSTANTIN IONUȚ, MINCULESCU FLORIN, POPESCU ANA MARIA, CARCEA IOAN, ELECTROLESS Zn-Ni-P ALLOYS DEPOSITION ON STEEL FROM A CHLORIDE BATH
6	BURENNIKOV YU., KOZLOV L., PETROV A., DYNAMIC AND STATIC CHARACTERISTICS OF THE LS HYDRAULIC DRIVE ON THE BASIS OF MULTIMODE DIRECTIONAL CONTROL VALVE

7	BURENNIKOV YU., KOZLOV L., REPINSKIY S., OPTIMIZATION OF THE DESIGN PARAMETERS OF A COMBINED FLOW REGULATOR FOR THE VARIABLE AXIAL-PISTON PUMP
8	BURENNIKOV YU., RUSU I., LOZAN N., METAL PLASTICITY UNDER NON-MONOTONIC LOADING
9	BUZATU TRAIAN, BÎRLOAGĂ IONELA POENIȚA, NONFERROUS METALS RECOVERY FROM OXIDIC SUBPRODUCTS OBTAINED FROM WASTE ELECTRICAL EQUIPMENT
10	COMĂNICI ADRIAN and COMĂNECI RADU, DIE DESIGN AND PROCESS PARAMETERS FOR OPTIMAL WORKING LOAD IN EQUAL CHANNEL ANGULAR PRESSING
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14	ENACHE ALEXANDRU, AXINTE MIHAI, HOPULELE ION, EQUAL STRENGTH SHAPE MEMORY ALLOY (SMA) LAMELLA ACTUATOR
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16	HANU CIMPOESU RAMONA, BACIU CONSTANTIN, AGOP MARICEL, PĂDURARU GABRIEL DUMITRU, CIMPOESU NICANOR and MANOLE VASILE, CHEMICAL PROCEDURES FOR METALLIC SURFACE PREPARATION FOR THIN COATINGS DEPOSITION PROCESS (I)
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18	KOZLOV L., LOZOVSKIY S., KOVALCHUK V., TSIMBAL V., DYNAMIC CHARACTERISTICS OF THE HYDRAULIC DRIVE WITH PROPORTIONAL FLOW RATE CONTROL
19	LĂRGEANU ANCA ELENA, GĂLUSCĂ DAN-GELU, AGOP MARICEL and PERJU MANUELA CRISTINA, PULSED LASER DEPOSITION OF TI THIN FILMS ON CAST IRON
20	MATEI ECATERINA, PREDESCU ANDRA, VASILE EUGENIU, PREDESCU CRISTIAN, USE OF MAGHMITE AND ITS DERIVATES AS NANOPARTICLES FOR WASTEWATER TREATMENT
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Section 3

Industrial Safety and Occupational Hygiene

Friday, 27.05.2011

Chairmen: Prof. dr. eng. **Constantin BACIU**
Eng. **Joshua SCHAEFFER**

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7	COCIORHAN CAMELIA, MICLE VALER, BERAR (SUR) IOANA , RESEARCH ON DISTRIBUTION METHOD OF HEAVY METALS BY SOIL PROFILE FROM ROMPLUMB AREA, BAIA MARE
8	DANIELA FULOP, TIBERIU RUSU, ISTVAN FULOP , IMPROVING WORKERS SAFETY AND RELIABILITY BY APPLYING RISK BASED MAINTENANCE ON THE BLACK LIQUOR PUMP
9	HAVELICK LINN D. , ENVIRONMENTAL AND SAFETY LEGACIES OF A MINING INDUSTRY RESEARCH INSTITUTE
10	LĂPUȘNEANU DRAGOȘ – ALIN , PREVENTIVE MAINTENANCE - HIGH SECURITY FOR WORKERS
11	MORARU ROLAND IOSIF, BĂBUȚ GABRIEL BUJOR , STAKEHOLDERS INVOLVEMENT AND ETHICAL ASPECTS OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT IN ROMANIA
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15	NISIPEANU STELUȚA, STEPĂ RALUCA, CHIURTU RUXANDRA, HAIUCU MARIA, IMPLEMENTATION AND PROMOTION OF SOCIAL RESPONSIBLE BEHAVIOR IN ORGANIZATIONS IN THE CONTEXT OF ISO
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17	SURCEL DIDI, BUTAN MIOARA, TOADER SEPTIMIU, SZANTO CSABA, ROTARU OVIDIU, NITU SIMONA, PONORAN CARMEN, FRACTAL PATTERNS IMMUNOMODULATORY EFFECT OF THE VASCUM ALBUM IN THE EXPERIMENTAL EXPOSURE TO CHROMIUM
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19	VASILESCU GABRIEL, PLEȘEA VALERIU, DRAGHICI ANGELICA, POPA VLAICU MARIUS EREMA, TOMA RADU, BACIU CONSTANTIN, SOFTWARE FOR THE OCCUPATIONAL HEALTH AND SAFETY INTEGRATED MANAGEMENT SYSTEM
