
THURSDAY, 26.05.2011

15,00 – Poster session (*SIM Hall*)

Chairmen: Prof. dr. eng. **Vasile COJOCARU-FILIPCIU**
Prof. dr. eng. **Constantin BACIU**
Eng. **Sivia GEORGESCU**

Section 1 Advanced Materials

1	ACHIȚEI DRAGOȘ CRISTIAN, VIZUREANU PETRICĂ, PREDESCU CRISTIAN, BERBECARU ANDREI , DIFFRACTOMETER STUDY ON THE SHAPE MEMORY ALLOYS TYPE $Cu_{75.4}Zn_{18.6}Al_{5.85}$
2	BACIU RALUCA ELENA, GRĂDINARU IRINA, CALAMAZ DANIELA, BACIU MARIA , EXPERIMENTAL RESEARCHES REGARDING THE WEAR BEHAVIOR OF DIFFERENT LAYERS OF NANOFILL COMPOSITE MATERIAL USED IN DIRECT DENTAL RESTORATIONS
3	BATIN GABRIEL, POPA CĂTĂLIN, BRÂNDUȘAN LIVIU, VIDA-SIMITI IOAN , MECHANICAL PROPERTIES OF SOME Ti-Ha BASED FUNCTIONALLY GRADED MATERIALS
4	BATIN MEDINA – NATALIA, POPESCU VIOLETA , PREPARATION OF IRON OXIDE POWDERS FROM CHEMICAL SOLUTION
5	BUCIȘCANU INGRID , BIO-BASED PLASTICS AND COMPOSITES FOR SUSTAINABLE DEVELOPMENT
6	BULANCEA VASILE, GHEORGHIU ANTONIA DIANA, SUSAN MIHAI, GAVRILĂ L. BOGDAN, BULUC GH. , DIMENSIONAL STABILITY OF BEARING ELEMENTS SUB-ZERO TREATED
7	BUZAIANU A., RUSU S., TRUSCA ROXANA, VASILE E., RUSU I., MOTOIU P. , POTENTIAL USE IN MEDICAL APPLICATIONS OF MAGNESIUM NANOCRYSTALLINE ALLOY
8	CHIRILĂ LAURA, BUTNARU ROMEN, SANDU ANDREI VICTOR, CREȚU SANDALĂ , SYNTHESIS, CHARACTERIZATION AND DYEING BEHAVIOUR ON WOOL FIBERS OF A NEW PREMETALLISED DYES BASED ON Ni(II) AND Zn(II)
9	CHIRILĂ LAURA, BUTNARU ROMEN, CREȚU SANDA, SANDU ANDREI VICTOR , SYNTHESIS, CHARACTERIZATION AND DYEING BEHAVIOUR ON WOOL FIBERS OF A NEW PREMETALLISED DYES BASED ON Cu(II)
10	CHIVU ADRIANA, CIUCA SORIN, BOJIN DIONEZIE , ELECTROCHEMICAL DEPOSITION OF CALCIUM PHOSPHATES BIOCERAMICS
11	CIOBANU GABRIELA and CIOBANU OCTAVIAN , BIOLOGICAL APATITES: A SHORT REVIEW
12	GHEORGHIU ANTONIA DIANA, CHELARIU ROMEU, CIMPOEȘU NICANOR , STUDY ABOUT THE MAIN INFLUENCES ON MATERIALS FLOW IN FRICTION STIR WELDING PROCESS
13	GRĂDINARU IRINA, BACIU RALUCA ELENA, CALAMAZ DANIELA, BACIU MARIA , STUDY CONCERNING THE BIOMECHANICAL BEHAVIOUR OF SOME AESTHETIC RESTORATIVE DENTAL MATERIALS
14	IACOBESCU REMUS ION, KOUMPOURI DIMITRA, SABAN RAMI, ANGELOPOULOS GEORGE N. , HYDRAULIC PROPERTIES OF FERROALUMINO-BELITE CEMENT BASED ON ELECTRIC ARC FURNACE STEEL SLAG
15	MAGHERU ANDREEA, GHIBAN BRÂNDUȘA, GHIBAN NICOLAE, MARIN MIHAI , CONSIDERATION REGARDING Ti-Mo ALLOYS USED AS BIOMATERIALS IN ORTHOPEDIC IMPLANTS
16	MOȚOIU P., ROSSO M., BUZAIANU A., MARIN L. , METHODS TO INCREASE THE RESISTANCE AT THERMAL SHOCK FOR THE FLIGHT DATA RECORDER
17	PATROI DELIA, BOJIN DIONEZIE, PATROI EROS-ALEXANDRU, CODESCU MIRELA MARIA, CONSTANTINESCU CĂTĂLIN , STRUCTURAL AND MAGNETIC PROPERTIES OF ALNICO-TYPE THIN FILMS

18	POP ANDREEA EUGENIA, BATIN MEDINA – NATALIA, POPESCU VIOLETA, CHARACTERIZATION OF Cu_xS POWDER OBTAINED BY PRECIPITATION
19	ROGOJANU ALINA, DASCALU CARMEN FELICIA, DOROHOI DANA ORTANSA, BIREFRINGENCE DISPERSION OF A LIQUID CRYSTALLINE LAYER FROM ALKOXY BENZOIC ACID ESTER IN TETRACHLOROMETHANE DETERMINED BY SPECTRAL METHOD
20	TACA MIHAELA, VASILE EUGENIU, ALEXANDRESCU ELVIRA, INFLUENCE OF FORGING TEMPERATURE ON THE MECHANICAL PROPERTIES OF MICROALLOYED STEELS
21	UȘURELU EMILIA-MARIA, BUȚU MIHAI, MOLDOVAN PETRU, INFLUENCE OF THE TITANIUM DIBORIDE ON THE PROPERTIES OF Al/TiB ₂ IN SITU COMPOSITES
22	ZELINSCHI BEATRICE CARMEN, DASCĂLU CARMEN FELICIA, DOROHOI DANA ORTANSA, SIMULATED MULTILAYER INTERFERENTIAL FILTERS FROM NATURAL INORGANIC CRYSTALS

Section 2

Modern technologies and equipment in Material science

1	APREUTESEI MIHAI, ARVINTE IONELA ROXANA, BLAJ EMILIA, CUTTING TOOL MATERIALS: A REVIEW ON RECENT DEVELOPMENTS AND APPLICATIONS
2	AXINTE MIHAI, NEJNERU CARMEN, PERJU MANUELA CRISTINA, HOPULELE ION, ENACHE ALEXANDRU, POLARIZED GRID INFLUENCE ON HOLLOW CATHODE EFFECT IN PLASMA NITRIDING PROCESS
3	BERAR (SUR) IOANA MONICA, MICLE VALER, AVRAM SIMONA, COCIORHAN CAMELIA SIMONA, EXPERIMENTAL RESEARCH ON THE EXTRACTION OF HEAVY METALS FROM POLLUTED SOILS DUE TO THE METALLURGIC INDUSTRY
4	BULANCEA VASILE, GHEORGHIU ANTONIA DIANA, SUSAN MIHAI, GAVRILĂ L. BOGDAN, BULUC GH., BEARING STEELS UNCONVENTIONAL THERMAL TREATED
5	CIOBANU OCTAVIAN, CIOBANU GABRIELA, CAD/CAM AND RAPID PROTOTYPING TECHNOLOGIES IN MEDICAL ENGINEERING
6	CONSTANTIN BORIS, DISMOUNTABLE TYPE D LAMELLAR HEAT EXCHANGERS
7	CONSTANTIN BORIS, ALGORITHMS USED FOR THE GENERATION OF RANDOM NUMBERS
8	CREȚU SANDA, GĂLUȘCĂ DAN-GELU, SURDU IRINA-ELENA, EXPERIMENTAL MODEL FOR THE ASSEMBLY AND TESTING SYSTEM SHRINK
9	DUMITRU FLORINA-DIANA, GHIBAN BRÂNDUȘA, GHIBAN NICOLAE, GURĂU GHEORGHE, MARIN MIHAI, CONSIDERATIONS REGARDING EQUAL CHANNEL ANGULAR EXTRUSION PROCESS OF MAGNESIUM ALLOYS
10	FILCENCO-OLTEANU A., PANTURU E., GRIGORAS L., PANTURU R. I, NUMERICAL MODELS FOR URANIUM PURIFICATION BY LIQUID-LIQUID EXTRACTION
11	GABOR TIMEA, RUSU TIBERIU, DAN VIOREL, THE DETERMINATION OF A CONCEPTUAL MODEL OF THE TECHNOLOGICAL SYSTEM OF THERMAL ENERGY RECOVERY FROM WASTEWATERS
12	GHEORGHIU DIANA ANTONIA, BULANCEA VASILE, TOMA ȘTEFAN LUCIAN, STEPS IN CONCEIVING AN EXPERT SYSTEM FOR CRYOGENIC TREATMENT OF STEELS
13	GHICA GABRIEL VALERIU, BUZATU TRAIAN, STUDIES AND RESEARCHES OVER HEAT TREATMENTS APPLIED ON Nb-Ti ALLOY
14	KERI AGNES ALEXANDRA, HAR NICOLAE, URSU MONICA, TĂNĂSELIA CLAUDIU, MĂICĂNEANU ANDRADA, RUSU TIBERIU, UTILIZATION OF A NATURAL ION EXCHANGER FOR HEAVY METALS REMOVAL FROM ACID MINE DRAINAGE
15	MANCA O., MINEA A. A., NARDINI S., RICCI D., TAMBURRINO S. , NUMERICAL INVESTIGATION ON HEAT CONDUCTION IN SEMINFINITE WORK-PIECES IRRADIATED BY A MOVING HEAT SOURCE

16	MANCA O., MINEA A., NARDINI S., RICCI D., TAMBURRINO S. NUMERICAL ANALYSIS OF AN IMPINGING JET ON HEAT CONDUCTION IN WORK PIECES IRRADIATED BY MOVING HEAT SOURCE
17	MINEA A. A., MANCA O., ALEXANDRU M., DIMA A., SIMULATION OF A FLUID BED EQUIPMENT FOR DIFFERENT FLUIDIZATION RATES
18	OPRIȘAN S., BUZAIANU A., CONSTANTIN N., RUSU S., BANU C., RUSU I., PIEZO SENSORS IN MONITORING THE BONDED ZONE COMPOSITES-METALLIC STRUCTURES
19	OPRIȘAN S., RUSU S., BUZAIANU A., CONSTANTIN N., BANU C., RUSU I., PIEZO MEMS APPLICATIONS IN THE HEALTH HYBRID COMPOSITE AERONAUTICAL TRUCTURES
20	PERJU MANUELA CRISTINA, ACHIȚEI DRAGOȘ CRISTIAN, ȘTEFĂNICĂ ROXANA GABRIELA, ZAHARIA LUCHIAN, COMPARATIVE STUDY REGARDING THE HARDENING OF PLASTIC DEFORMED AND HEAT TREATED ALUMINUM
21	POPESCU GABRIELA, SOARE VICTORIA, MITRICĂ DUMITRU, IACOB GHEORGHE, UȘURELU-CRISTEA ADINA, BUZATU MIHAI, OBTAINING OF NANOSTRUCTURED ALUMINIUM BASED MASTER ALLOYS
22	PRODAN VASILE CĂLIN, MICLE VALER, SZANTO (PRODAN) MARIA, APPLICATION OF MICROWAVE THERMAL DESORPTION TO TREAT SOILS CONTAMINATED WITH DANGEROUS CHEMICAL SUBSTANCES
23	RUSU ȘTEFAN, AGOP MARICEL, GĂLUȘCĂ DAN-GELU, RUSU IOAN, THE RELATIVISTIC "GUN" EFFECT AND ITS IMPLICATIONS WITHIN LASER MARKING PROCESSES
24	STOICA E., FRATILA C., VASILE E., ROMAN I., CORBAN M., NICOLAE M., CALCIUM PHOSPHATES DEPOSITED ON VARIOUS POROUS TITANIUM ALLOYS BY ELECTROCHEMICAL METHOD
25	STOICA OCTAVIAN, MICLE VALER, STUDY ON GLASS AND ANTIMONY SENSORS USED FOR MEASURING PH DURING THE BIOREMEDIATION PROCESS OF SOIL
26	TIMOFTE NASTACA, THE TURNIN INTO ACCOUNT OF SAND FROM THE HARTOP-SUCEAVA AREA IN FOUNDRIES
27	URS (NEDELCU) ALINA MONICA, MICLE VALER, POTRA FLORIN, STUDY ON THE SIMULATION SOFTWARE OF THE BIOREMEDIATION PROCESS THROUGH BIOPILE TECHNIQUE
28	VLADUTIU LIANA MARIA, SOTCA D., PREDESCU A., TRUSCA ROXANA, IORGA S., OBTAINING OF COPPER NANOPOWDERS BY REDUCTION IN POLYOLS

Section 3

Industrial Safety and Occupational Hygiene

1	ALEXANDRU MIHAI, HÎNCU DOINA, ASANDULUI MIRCEA, SOME CONSIDERATIONS ABOUT THE ASSESSMENT OF WATER USAGE IN AN INDUSTRIAL FACILITY
2	BĂBUȚ GABRIEL BUJOR, MORARU ROLAND IOSIF, PROPOSAL FOR A CONTEXTUAL THEORETICAL APPROACH IN ACCIDENT PREVENTION
3	STOICA CRISTINA MARIA, INTER-BRANCH CONNECTIONS MODELING
4	STOICA CRISTINA MARIA, ALGORITHM FOR SOLVING A MODEL DESCRIBED BY THE INTER-BRANCH BALANCE
5	SZANTO (PRODAN) MARIA, MICLE VALER, PRODAN CĂLIN VASILE, STUDY ON SOIL WASHING WITH CHELATING AGENTS OF THE METAL CONTAMINATED SOILS