

**MTSM 2013.**  
**Program simpozija – Conference schedule**

**Četvrtak, 26. rujan 2013. - Thursday, 26<sup>th</sup> September 2013.**

- 09.00 **Prijava sudionika – Participant registration**
- 09.30 **Otvaranje simpozija - Conference opening**
- 10.00 **Goran JURILJ, Nediljko BEŠLIĆ, Zlatko BUDROVČAN**  
“ PROJEKT PLINOFIKACIJE DALMACIJE ”
- 10.30 **Zlatko JANKOSKI**  
“ BURNING COAL BY USING PLASMA ”
- 10.50 **Katica ŠIMUNOVIĆ, Davor BALENTIĆ, Tomislav SARIĆ Goran ŠIMUNOVIĆ**  
„ INVESTIGATION OF SURFACE ROUGHNESS OF ALUMINIUM ALLOY AND BRASS USING EXPERIMENTAL DESIGN “
- 11.10 **Sonja JOZIĆ, Dražen BAJIĆ, Duje VUKIČEVIĆ**  
“ OPTIMIZATION OF CUTTING PARAMETERS IN THREE AXIS SURFACE MILLING ”
- 11.30 - 12.00 **Pauza – Coffee break**
- 12.00 **Emir TROŽIĆ, Edin SMAJIĆ**  
„ SELECTION OF THE OPTIMAL PLANT AND POSSIBLE EXPLOITATION OF THE WATER POTENTIAL OF SMALL STREAMS IN A PROFITABLE MINI HYDRO POWER PLANT
- 12.20 **Emir TROŽIĆ, Edin SMAJIĆ**  
“ IDENTIFICATION OF THE INFLUENTIAL PARAMETERS ON THE ENVIRONMENT TO BUILD PROFITABLE MINI HYDRO POWER PLANTS ON THE BASIS OF THE STUDIED CHARACTERISTICS OF THE WATER STREAMS”
- 12.40 **Matej VESENJAK, Matej BOROVIŠEK, Lovre KRSTULOVIĆ-OPARA, Thomas FIEDLER, Zoran REN**  
„ COMPUTATIONAL MODELLING AND CHARACTERIZATION OF LIGHTWEIGHT CELLULAR MATERIALS “
- 13.10 **Jaroslav JERZ, Eubomír OROVČÍK, František SIMANČÍK, Roman FLOREKI**  
“ INNOVATIVE HIGH-TECH PRODUCTS MADE OF ALUMINIUM FOAM ”
- 13.30 **Eubomír OROVČÍK, Jaroslav JERZ, Janka HARNUŠKOVÁ**  
“ ULTRA LIGHTWEIGHT STRUCTURAL COMPONENTS BASED ON REINFORCED ALUMINIUM FOAM ”
- 13.50 **Massimo ROGANTE, Giorgio CAPELLI, Irina K. DOMANSKAYA**  
„ LASER INTERFEROMETRY INVESTIGATION OF POLYMER CEMENT CONCRETE SAMPLES FOR VIBRATION MEASUREMENTS „
- 14.10 **Luka CELENT, Ivan PRELAS**  
“ GREEN MANUFACTURING THROUGH SUSTAINABLE MACHINING PROCESS ”

**Petak, 27. rujan 2013. - Friday, 27<sup>th</sup> September 2013**

- 09.30 **Manfred R. MAUNTZ, Ulrich KUIPERS**  
“ IDENTIFICATION OF CRITICAL OPERATING CONDITIONS TO AVOID  
PREMATURE FAILURE OF GEARBOX COMPONENTS DUE TO EARLY DETECTION  
OF ASSOCIATED AGING OF LUBRICATING OIL ”
- 10.00 **Krešimir GRILEC, Gojko MARIĆ, Željko ALAR**  
“ COMPRESSION OF ALUMINIUM FOAMS WITH DIFFERENT STRAIN RATE ”
- 10.20 **Dario ILJKIĆ, Božo SMOLJAN, Hrvoje NOVAK**  
“ AN ANALYSIS OF THERMAL PROPERTIES OF STEEL DURING THE QUENCHING ”
- 10.40 **Robert BASAN, Tea MAROJNIĆ, Ivan PREBIL, Marina FRANULović**  
“ PRELIMINARY INVESTIGATION OF THE EXISTENCE OF CORRELATION  
BETWEEN CYCLIC RAMBERG-OSGOOD PARAMETERS AND MONOTONIC  
PROPERTIES OF LOW-ALLOY STEELS ”
- 11.00 **Vedrana CVITANIĆ, Daniel IVANDIĆ, Lovre KRSTULOVIĆ-OPARA**  
“ INFLUENCE OF CONSTITUTIVE AND PROCESS PARAMETERS ON THE  
CYLINDRICAL CUP DEEP DRAWING PREDICTIONS FOR AL2090-T3 SHEET ”
- 11.20 - 11.50 **Pauza – Coffee break**
- 11.50 **Branimir LELA, Dražen ŽIVKOVIĆ, Ivona ŠAPINA**  
“ ANNEALING INFLUENCE ON GRAIN SIZE AND MECHANICAL PROPERTIES IN LOW  
CARBON STEELS ”
- 12.10 **Zvonimir DADIĆ**  
“ TRIBOLOGICAL PRINCIPLES AND STEPS TO REDUCE CUTTING TOOL WEAR ”
- 12.30 **Mladen PERINIĆ, Zoran JURKOVIĆ, Duško PAVLETIĆ, Sven MARIČIĆ,  
Nikola VITULIĆ**  
“ CAE MODELS IN THE SIMULATION OF THE PRODUCTION PROCESS ”
- 12.50 **Ivana BATINIĆ GAVRIĆ, Marija ŠIŠKO KULIŠ, Damir VUČINA**  
“ ELEMENTS OF INVESTMENT PROJECTS FOR HYDROPOWER PLANT  
REFURBISHMENT ”
- 13.10 **Milena PLEŠTINA, Marija ŠIŠKO KULIŠ, Damir VUČINA**  
“ ANALYSIS OF INVESTMENTS IN SMALL HYDROPOWER PLANTS ”

Predavanja i prezentacije održati će se prema navedenom rasporedu na FESB-u u Splitu,  
R.Boškovića 32, predavaonica B402.

Molimo studente koji žele prisustvovati predavanjima na konferenciji da putem e-mail adrese  
(drazen.zivkovic@fesb.hr) potvrde svoj dolazak.