

MTSM 2017
Conference venue:
Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture –
Amphitheater B401

CONFERENCE SCHEDULE

Thursday, 21st September 2017

08.30 – 09.30 Participant registration

09.30 – 09.45 Opening ceremony

Introductions

- 10.00 UPS
“PRESENTATION”
- 10.15 MICOM
“PRESENTATION”
- 10.30 AD PLASTIK
“PRESENTATION”
- 10.45 Toni Ivas
„PRESENTATION“

11.00 Coffee break

Session I

- 11.30 Fuad Hadžikadunić Nedeljko Vukojević, Amra Talić-Čikmiš:
NUMERICAL ANALYSIS OF THE STRESS-DEFORMATION STATE OF SIGMA PROFILE OF SCRAPER CONVEYOR
- 11.45 Jaroslav Jerz, František Simančík, Jaroslav Kováčik, Ján Španielka:
ALUMINIUM FOAM FOR THERMO-ACTIVE PITCHED ROOFS OF NEARLY ZERO-ENERGY BUILDINGS
- 12:00 Jaroslav Kováčik, Natália Mináriková, Peter Šugár, Jana Šugárová, Martin Frnčík, Štefan Emmer, José Rodriguez, Inmaculada Cañadas, Joana Kulasa, Szymon Malara, Marcin Lis:
GAS NITRIDING OF TITANIUM IN SOLAR FURNACE
- 12.15 Štefan Nagy, Pavol Štefánik, Ivo Vávra, Martin Nosko, Ľubomír Orovčík, Andrej Opálek, Karol Iždinský, Stanislav Kúdela Jr., František Simančík:
METHODICS OF SAMPLE PREPARATION OF MG/CARBON FIBER COMPOSITE FOR TEM AND CHARACTERIZATION OF THE INTERFACE
- 12.30 Katica Šimunović, Sara Havrlišan, Tomislav Šarić, Ilija Svalina, Roberto Lujić, Goran Šimunović:
EFFECT OF SAMPLE DIMENSIONS AND FUSING TEMPERATURE ON COATING/BASE MATERIAL STRUCTURE OBTAINED BY FLAME SPRAYING
- 12.45 Ľubomír Orovčík, Martin Nosko, Alica Rosová:
EBSD OF ALUMINIUM POWDER COMPACTS – PREPARATION METHOD FOR OBSERVATION IN DEPENDENCE ON POWDER SIZE
- 13.00 Massimo Rogante, Pavol Mikula, Pavel Strunz, Anatolij Zavdoveev:
RESIDUAL STRESS DETERMINATION BY NEUTRON DIFFRACTION IN LOW-CARBON STEEL WIRES WITH ACCUMULATED SHEAR DEFORMATION
- 13:15 Iva Nakić, David Ištoković, Mladen Perinić, Goran Cukor:
IMPLEMENTATION OF ADDITIVE TECHNOLOGIES IN MEDICINE

13:45 Lunch

15:15 Excursion Hinterland Dalmatia (Ancient Romans - Salona, Ottoman Turks - Klis) with dinner

22:30 Return to Split

Friday, 22th September 2017

Session II

- 09.00 EVN
"PRESENTATION"
- 09.15 Božo Smoljan, Dario Iljkić, Sunčana Smokvina Hanza, Lovro Štic, Andrej Borić, Bojan Senčić, Robert Vertnik:
NUMERICAL MODELLING AND SIMULATION OF CONTROLLED COOLING OF HOT ROLLED STEEL
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PROJECT PRESENTATION: Optimisation and modelling of thermal processes of materials – HRZZ 5371
- 09.30 László Rosta, Massimo Rogante:
NEUTRONS FOR MATERIALS RESEARCH
- 09.45 Marina Crnjac, Nikola Gjeldum, Boženko Bilić, Marko Mladineo:
THE APPLICATION OF TAGUCHI METHOD FOR CHOOSING THE OPTIMAL TABLE CONSTRUCTION
- 10.00 Mario Dragičević, Sonja Jozić, Dražen Bajić:
FINITE ELEMENT SIMULATION OF STRESSES DISTRIBUTION IN THE CUTTING TOOL DURING END-MILLING IN DIFFERENT MACHINING CONDITION
- 10.15 Mate Jurjević, Žarko Koboević, Nikša Koboević, Dragan Bebić:
POBOLJŠANJA NA ISPUŠNOM VENTILU BRODSKOG DIZELSKOG MOTORA U SVRHU PRODULJENJA VREMENA DO ZAHVATA ODRŽAVANJA
- 10.30 Jure Krol, Branimir Lela, Petar Ljumović:
ELECTRICAL CONDUCTIVITY AND MECHANICAL PROPERTIES OF THE SOLID STATE RECYCLED EN AW 6082 ALLOY
- 10.45 Ladislav Vrsalović, Marko Matulić, Stjepan Kožuh, Ivana Ivanić, Mirko Gojić:
EFFECT OF PH ON CORROSION OF CUALMN ALLOY IN 0.9% NACL SOLUTION

11.00 Coffee break

- 11.45 Tomislav Bazina, Maja Marković, Duško Pavletić, Zoran Jurković:
APPLICATION OF MACHINE VISION FOR INJECTION MOULDING PRODUCTS DETECTION AND RECOGNITION
- 12.00 Nikša Čatipović, Dražen Živković, Zvonimir Dadić, Marin Viceić:
INFLUENCE OF THE SALT BATH AGITATION AND AUSTEMPERING TEMPERATURE ON THE MICROSTRUCTURE OF AUSTEMPERED DUCTILE IRON
- 12.15 Zvonimir Dadić, Dražen Živković, Nikša Čatipović, Josip Bilić:
HIGH PRESSURE DIE CASTING MOULD REPAIR TECHNOLOGIES
- 12.30 Mario Veić, Sonja Jozić, Dražen Bajić:
DEVELOPMENT AND OPTIMIZATION OF SURFACE ROUGHNESS PREDICTIVE MODELS IN TURNING SUPER DUPLEX STAINLESS STEEL BY USING ARTIFICIAL INTELLIGENCE METHODS
- 12.45 Igor Gabrić, Anja Milavić, Ivan Vrljićak:
PRIMJENA CRAFTS – LAMONT DIJAGRAMA ZA PROCJENU RASPODJELE TVRDOĆE NAKON POBOLJŠAVANJA ČELIKA EN 42CrMo4
- 13.00 Marko Mladineo, Ivica Veža, Slavica Jurčević, Ivan Znaor:
PERFORMANCE ANALYSIS OF THE RFID-ENABLED MANUFACTURING EXECUTION SYSTEM

13.15 Closing speech

13.30 Lunch