

Organizers:
Association of Metallurgical Engineers of Serbia
Faculty of Technology and Metallurgy, University of Belgrade
Serbian Foundrymen's Society
Metallurgical Academic Network of SEE Countries
Institute for Technology of Nuclear and Other Mineral Raw Materials
Institute of Chemistry, Technology and Metallurgy
Vinča Institute of Nuclear Sciences

FINAL PROGRAMME

MME SEE

2017

Metallurgical & Materials
Engineering Congress
of South-East Europe

Crowne Plaza Hotel
June, 1st – 3rd 2017, Belgrade, Serbia
www.mme-see.org



Thursday, June 1st 2017

17:00 - 19:00 Registration

19:00 - 20:30 Welcome reception

Friday, June 2nd 2017

8:30 - 9:30 Registration

9:30 - 10:00 Congress opening

Moderators: Željko Kamberović, Karlo Raić

10:00 - 10:30 *Plenary Lecture:* Jun Zhao, FURTHER DEVELOPMENT OF SERBIA STEEL MILL UNDER HBIS GROUP OWNERSHIP, Hesteel Serbia Iron & Steel d.o.o.

10:30 - 11:00 *Plenary Lecture:* Jeon Jae-Ho, TEXTURE ENGINEERING OF LEAD-FREE PIEZOELECTRIC CERAMICS

11:00 - 11:30 Coffee break

Moderators: Endre Romhanji, Varužan Kevorkijan

11:30 - 12:00 *Invited Lecture:* Mile Đurđević, THE EFFECT OF SILICON AND COPPER ON THE FEEDING CHARACTERISTIC OF CAST Al-Si-Cu ALLOYS

12:00 - 12:15 *Oral presentation:* Kevorkijan Varužan, BAYESIAN COGNITIVE MODELLING OF SCRAP-INTENSIVE WROUGHT ALUMINIUM ALLOYS

12:15 - 12:30 *Oral presentation:* Uroš Kovačec, NEW PRODUCTION METHODS FOR OPTIMAL SCRAP CONSUMPTION IN WROUGHT ALUMINIUM ALLOYS

12:30 - 12:45 *Oral presentation:* Mustafa Ubeyli, NATURAL AGING BEHAVIOR OF COMPOSITES CONTAINING A HIGH-STRENGTH ALUMINUM ALLOY MATRIX AND TITANIUM DIBORIDE PARTICLES

12:45 - 13:00 *Oral presentation:* Jovana Ružić, ANALYSIS OF THE INFLUENCE OF VGS STRUCTURE ON MECHANICAL PROPERTIES OF Ti-12Mo ALLOY

13:00 - 13:15 *Oral presentation:* Snehashis Pal, MICROSTRUCTURAL PHASE TRANSFORMATION EVOLUTION OF Ti-6Al-4V ALLOY IN SELECTIVE LASER MELTING PROCESS

13:15 - 14:30 Lunch break

Moderators: Karlo Raić, Mile Đurđević

14:30 - 14:50 *Invited Lecture:* Ivanka Popović, BIOBASED POLYMERS: A STEP FURTHER TOWARD SUSTAINABILITY

14:50 - 15:10 *Invited Lecture:* Borut Kosec, MODELING OF HEAT TRANSFER PARAMETERS IN THE MELT-SPINNING PROCESS

15:10 - 15:25 *Oral presentation:* Dobrica Milovanović, USAGE OF 100 % PELLETS IN THE BLAST FURNACE ORE BURDEN PART

15:25 - 15:40 *Oral presentation:* Dušan Nikolić, USE OF RETURN MATERIALS IN SINTER PRODUCTION

15:40 - 15:55 *Oral presentation:* Vesna Nikolić, UTILIZATION OF BLAST FURNACE SLAG AS A RAW MATERIAL FOR CEMENT CLINKER PRODUCTION WITH THE AIM OF IMPROVING TECHNO-ECONOMIC PARAMETERS AND REDUCING CO₂ EMISSION

16:00 - 18:00 Poster session & Coffee break

20:00 - 00:00 **Congress dinner**

Saturday, June 3rd 2017

Moderators: Tatjana Volkov-Husović, Milena Matijašević-Clarke

10:00 - 10:30 *Plenary Lecture:* Velizar Stanković, EMERGING HYDROMETALLURGICAL METHODS FOR A BETTER RECOVERY OF VALUES FROM OUT-OF-BALANCE COPPER ORES AND ACCOMPANYING WASTEWATERS

10:30 - 10:50 *Invited Lecture:* Srđan Milenković, HIGH-THROUGHPUT METHODS FOR ACCELERATED MATERIAL DISCOVERY

10:50 - 11:05 *Oral presentation:* Milena Matijašević-Clarke, ACCESS THE MARINE MARKET THROUGH MATERIAL CERTIFICATION

11:05 - 11:20 *Oral presentation:* Markoli Boštjan, CAN QUASICRYSTALLINE ALLOYS BE OF ANY USE?

11:20 - 11:35 *Oral presentation:* Ioanis Dassios, METHODS IN OPTIMIZATION, SYSTEM THEORY AND NETWORK FOR THE MATHEMATICAL MODELLING OF MATERIALS

11:35 - 12:00 Coffee break

12:00 - 12:15 *Oral presentation:* Mohammed Shariq, SYNTHESIS OF GOLD NANOPARTICLES THROUGH ULTRASONIC SPRAY PYROLYSIS AND ITS APPLICATION IN PRINTED ELECTRONICS & BIO-MEDICAL

12:15 - 12:30 *Oral presentation:* Shailesh Kumar Singh, TRIBOLOGICAL BEHAVIOUR OF CHROMIUM NITRIDE BY PVD COATINGS UNDER CONSTANT LUBRICATED CONDITION

12:30 - 12:45 *Oral presentation:* Rajeev Kumar, OPTIMIZATION OF PROCESS PARAMETERS TO MINIMIZE ANGULAR DISTORTION, SHRINKAGE STRESS AND BENDING STRESS IN GAS TUNGSTEN ARC WELDED STAINLESS STEEL PLATE USING TAGUCHI METHODOLOGY

12:45 - 13:15 Closing ceremony

Moderator: Sanja Martinović

Poster session

P1	Marko Pavlović, COMPARISON OF CAVITATION EROSION RESISTANCE OF MULLITE AND ZIRCON SAMPLES BASED ON NON DESTRUCTIVE CHARACTERIZATION
P2	Silvana Dimitrijević, STABILITY OF GOLD COMPLEX BASED ON MERCAPTOTRIAZOLE IN ACID AND NEUTRAL MEDIA
P3	Zoran Slović, ESTIMATION OF PHOSPHORUS PARTITION COEFFICIENT IN BOF PROCESS
P4	Aleksandra Ivanović, OPTIMIZATION OF TENSILE STRENGTH USING RESPONSE SURFACE METHOD FOR PdNi5 WIRE
P5	Biserka Trumić, THE EFFECT OF ALLOYING ELEMENTS ON CREEP RATE AND TEARING TIME OF PLATINUM AT HIGH TEMPERATURES
P6	Jelena Marinković, OPTIMIZATION OF HEAT TREATMENT PARAMETERS IN RETROGRESSION AND REAGING TREATMENT OF ALLOY EN AW 7075-T6
P7	Vladan Ćosović, HARDNESS AND ELECTRICAL CONDUCTIVITY PROFILES OF Ag-Bi-In ALLOYS AT 100°C
P8	Mirko Gojić, MICROSTRUCTURAL CHARACTERIZATION OF Cu-Al-Mn SHAPE MEMORY ALLOY AFTER ROLLING
P9	Mehmet Ekici, INVESTIGATION OF MECHANICAL AND MICROSTRUCTURE CHARACTERISTIC OF MICROALLOYED SHIPBUILDING STEEL AH36 IN DIFFERENT WELDING METHODS AND POSITIONS
P10	Zoran Karastojković, SHINING PROPERTIES AND ABILITY FOR LASER WELDING OF COLD ROLLED STRIPS FROM 585 GOLD ALLOY
P11	Zoran Karastojković, SURFACE DAMAGES AND FRACTURE OF CRANK SHAFT FROM ONE FAST PRESS FOR DEEP DRAWING OF CANS
P12	Stevan Dimitrijević, THERMODYNAMIC ANALYSIS ON COPPER(II) HYDROXIDE PRECIPITATION IN THE SYSTEM OF Cu-Cl-H ₂ O
P13	Srećko Manasijević, INTELLIGENT SYSTEM FOR AUTOMATIC CONTROL OF THE PROCESS FILLING THE MOLD
P14	Branislav Marković, THERMODYNAMIC CALCULATIONS AND CHARACTERIZATION OF THE Bi-Cu-Ni TERNARY ALLOYS
P15	Veljko Savić, ION CONDUCTIVE GLASS-CERAMICS IN THE SYSTEM Li ₂ O _x Al ₂ O _{3x} GeO _{2x} P ₂ O ₅
P16	Miroslav Sokić, SPHALERITE PASSIVATION DURING THE LEACHING IN SODIUM NITRATE AND SULPHURIC ACID SOLUTION
P17	Marija Petrović, AGRICULTURAL WASTES AS LOW COST MATERIAL FOR HEAVY METALS REMOVAL
P18	Aleksandra Patarić, RESEARCH FOR BETTER AL ALLOYS MICROSTRUCTURE
P19	Vijaykiran Narwade, WASTE WATER TREATMENT: RHODAMINE ADSORPTION BY GRAPHENE OXIDE NANOMATERIAL
P20	Srećko Manasijević, AN ANALYSIS OF INTERMETALLIC BONDING BETWEEN A RING CARRIER AND ALUMINUM PISTON ALLOY
P21	Goran Nacevski, LEACHING OF NICKEL FROM RŽANOVO'S LATERITIC ORE
P22	Zoran Janjušević, CONTRIBUTION TO THE STUDIES OF CHEMICAL PROCESSES OCCURRING AT CONTACT SURFACE LIQUID METAL-MOLD
P23	Vaso Manojlović, HEAT BALANCE CALCULATION FOR FREEZE LINING SMELTING PROCESS
P24	Zorica Lopičić, REVALORIZATION OF FOOD INDUSTRY WASTE
P25	Mehmet Ekici, EFFECT OF MICROSTRUCTURE AND MECHANICAL PROPERTIES OF AUSTENITIZING TEMPERATURE AND COOLING CONDITIONS OF FERRITIC/PERLITIC BORON ALLOY STEELS

P26	Goran Lukić, ROOT CAUSE AND ORIGIN OF DEFECT "GREASY STAINS" ON TINPLATE, ANNEALED AT BATCH ANNEAL (BA)
P27	Mijajlo Jauković, POTENTIAL ACHIEVEMENT OF LOW CONTENT OF S IN STEEL INTERNAL QUALITY KJ02, EXTERNAL QUALITY S235J2+N AND S235J2C+N
P28	Nataša Tomić, IMPROVEMENT OF MECHANICAL PROPERTIES AND IMPACT RESISTANCE OF ZrO ₂ /PMMA NANOCOMPOSITE BY DIFFERENT SURFACE TREATMENT OF ZIRCONIA OXIDE
P29	Ahmed Ali Algelai, POLYMER COMPOSITE FILM ON THE METAL SURFACE ADHESION TESTING
P30	Hanuma Reddy Tiyyagura, EVALUATION OF CORROSION AND MECHANICAL PROPERTIES OF BIOPOLYMERS COATED POROUS MAGNESIUM SCAFFOLDS
P31	Hidayet Çaliskan, INVESTIGATION OF ABRASION PROPERTIES OF AGGREGATES USING IMAGE PROCESSING TECHNIQUE
P32	Aleš Nagode, MEASUREMENTS OF TECHNOLOGICAL PARAMETERS OF GAS FIRED CHAMBER FOR HEAVY STEEL ROLLS HEAT TREATMENT
P33	Hidayet Çaliskan, SURFACE MORPHOLOGIES AND TEXTURE OF OPAL MINERAL PARTICLES FROM KÜTAHYA AND ESKİŞEHİR DISTRICTS, NW TURKEY
P34	Jugoslav Pavlović, PRODUCTION OF DOUBLE REDUCED TIN PLATE THICKNESS 0.14 mm and 0.15 mm
P35	Aleksandar Ćosović, SOLVOTHERMAL SYNTHESIS AND CHARACTERIZATION OF NANO-CRYSTALLINE NICKEL-FERRITE
P36	Ana Alil, MECHANICAL PROPERTIES OF TWO Al-Mg ALLOYS MANUFACTURED BY ACCUMULATIVE ROLL BONDING (ARB) PROCESS
P37	Aleksandra Mitkovski, THERMODYNAMIC AND KINETIC INVESTIGATIONS OF THE SULFIDE COPPER CONCENTRATE ROASTING WITH AN INCREASED NICKEL CONTENT
P38	Srđan Perišić, IMPACT PROPERTIES OF HYBRID WOOD COMPOSITES
P39	Jovana Ružić, EFFECT OF MECHANICAL ALLOYING TIME ON CAVITATION EROSION BEHAVIOR OF COPPER MATRIX COMPOSITES HARDENED WITH VARIOUS PERCENTAGES OF ZrB ₂ PARTICLES
P40	Mirjana Filipović, INTERMETALLIC PHASES IN THE AS-CAST MICROSTRUCTURE OF Al ₄ Mg _{0.7} Mn TYPE ALLOY WITH ZINC AND COPPER ADDITIONS
P41	Mirjana Filipović, INFLUENCE OF IRON CONTENT ON THE VOLUME FRACTION, MORPHOLOGY AND DISTRIBUTION OF α-AlFeSi INTERMETALLIC PHASE IN THE AS-CAST MICROSTRUCTURE OF AA6026 ALLOY
P42	Tomislav Bradarić, SOME POSSIBILITIES OF COST REDUCTION IN BOF STEELMAKING
P43	Zoran Slović, THE EFFECT OF SLAG OXYGEN POTENTIAL ON FINAL SULFUR STEEL LEVEL AT THE END OF VACUUM LADLE TREATMENT
P44	Aleksandar Vasić, BFC® SOFTWARE FOR RAW-MATERIALS OPTIMIZATION IN BLAST FURNACE SMELTING

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