



MACEDONIAN UNION OF METALLURGISTS

**VIIth INTERNATIONAL METALURGICAL
CONGRESS**

METALLURGY, MATERIALS, ENVIROMENTAL (MME)

PROGRAM



OHRID 09.06-12.06.2016

VIIth INTERNATIONAL METALURGICAL CONGRESS

Thursday 09.06.2016

16:00 Registration of participants

20:00 Welcome party

Friday 10.06.2016

09:00 - 10:00 Registration of participants

10:00 - 10:30 Opening ceremony ([Hall 2](#))

Chair Persons: **Sveto Cvetkovski** and **Perica Paunović**

Plenary lectures (Hall 2)

- 10:30 - 11:00** **M.C. Somani** **Plenary lecture (PL-1)**
Centre for Advanced Steels Research,
University of Oulu, Finland
**RECENT ADVANCES IN DEVELOPMENT AND
PROCESSING OF NOVEL SUPER-HIGH STRENGTH
STEELS THROUGH DIRECT QUENCHING**
- 11:00 - 11:30** **Srecko Stopic** **Plenary lecture (PL-2)**
IME Process Metallurgy and Metal Recycling,
RWTH Aachen University, Germany
HYDROMETALLURGY OF RARE EARTH ELEMENTS
- 11:30 - 12:00** **Jakob Lamut** **Plenary lecture (PL-3)**
University of Ljubljana, NTF,
Department of Materials and Metallurgy, Slovenia
**PHASE COMPOSITION OF BY-PRODUCTS
FROM STEEL MAKING**
- 12:00 - 12:15** **Lorenzo Stoppani**
Presentation of JODOVIT Chemical Group

VIIth INTERNATIONAL METALURGICAL CONGRESS

12:15 - 12:30 Coffee break

Invited lectures (Hall 2)

12:30 - 12:45 Bogdan Rangelov

Invited lecture (IN-1)

Institute of Physical Chemistry,
Bulgarian Academy of Sciences, Sofia, Bulgaria

CRYSTAL GROWTH AND PHASE TRANSITIONS – in situ ELECTRON MICROSCOPY

12:45 - 13:00 Bora Derin

Invited lecture (IN-2)

Istanbul Technical University, Metallurgical and Materials Engineering Department
Maslak/ Istanbul/ Turkey

SOME RECENT STUDIES ON HIGH TEMPERATURE PROCESSES IN ITU

13:00 - 13:15 Dimitar Krastev

Invited lecture (IN-3)

University of Chemical Technology and Metallurgy,
Sofia, Bulgaria

**ABOUT SOME NONTRADITIONAL PROCESSES FOR
SURFACE MODIFICATION OF STEELS**

13:15 - 13:30 Dragana Živković

Invited lecture (IN-4)

University of Belgrade,
Technical Faculty in Bor, Bor, Serbia

**SURVEY ON CHARACTERIZATION OF METALLURGICAL SLAG SAMPLES FROM
SOME ARCHAEOLOGICAL SITES IN TIMOK REGION (EASTERN SERBIA)**

13:30 - 13:45 Miroslav Sokić

Invited lecture (IN-5)

Institute for Technology of Nuclear and Other Mineral Raw Materials,
Belgrade, Serbia

**STRUCTURAL INFLUENCE OF SULPHIDE MINERALS ON THEIR LEACHING
FROM POLYMETALLIC CONCENTRATE BY SODIUM NITRATE IN SULPHURIC ACID**

VIIth INTERNATIONAL METALURGICAL CONGRESS

Invited lectures (Hall 1)

12:30 - 12:45 Mitko Kočovski **Invited lecture (IN-6)**

Makstil a.d Skopje and University of Tourism and Management, Skopje

ECONOMIC IMPACT ANALYSIS OF MAKSTIL A.D – SKOPJE

12:45 - 13:00 Bostjan Markoli **Invited lecture (IN-7)**

Department of Materials and Metallurgy, Faculty of Natural Sciences and Engineering,
University of Ljubljana, Slovenia

**FORMATION OF CORE–SHELL AND HOLLOW NANOSPHERES
DURING PULSED LASER ABLATION-PLA**

13:00 - 13:15 Victor Geantă **Invited lecture (IN-8)**

Politehnica University of Bucharest, Bucharest, Romania

**ALLOYS FROM THE FeCrAl SYSTEM UTILIZED IN NEW GENERATION
NUCLEAR POWER PLANT 4R**

13:15 - 13:30 Ilirjan Malollari **Invited lecture (IN-9)**

Group of Chemical Process Engineering, Faculty of Natural Sciences,
University of Tirana, Albania

**ORGANIC WASTE BIODIGESTION PROCESS SIMULATION
UNDER DIFFERENT OPERATING CONDITIONS**

13:30 - 13:45 Radoslav Grujić **Invited lecture (IN-10)**

Faculty of Technology, Zvornik,
University of East Sarajevo, BA

APPLICATION OF NANOMATERIALS IN FOOD PRODUCTION

**16:00 - 17:00 Poster Sesion (PMM, EM, PDMP, W)
Hall 2**

**16:00 - Round table - CURRENT SITUATION IN METALLURGY
Actual Situation And Developing Perspectives**

20:00 - Sponsors event

VIIth INTERNATIONAL METALURGICAL CONGRESS

Saturday 11.06.2016

09:00 - 10:00 Registration of participants

Plenary lectures (Hall 2)

10:00 - 10:30 Alexander Karamanov **Plenary lecture (PL-4)**

Institute of Physical Chemistry,
Bulgarian Academy of Sciences, Sofia, Bulgaria

**THEORY AND APPLICATION OF
SINTER-CRYSTALLIZATION**

10:30 - 11:00 Endre Romhanji **Plenary lecture (PL-5)**

Department of Metallurgical Engineering, Faculty of Technology
and Metallurgy University of Belgrade, Serbia

**INFLUENCE OF THE THERMO-MECHANICAL
TREATMENT ON THE CORROSION SUSCEPTIBILITY
OF A MODIFIED AA5083 TYPE ALLOY**

11:00 - 11:30 G.A. Bagliuk **Plenary lecture (PL-6)**

Institute for Problems of Materials Science (IPMS),
Kiev, Ukraine

**MELT PROCESSING OF THE CAST IRON
FOR OF THE FORMING ROLLS WITH BRIQUETED
POWDER MODIFIERS**

11:30 - 11:45 Coffee break

Invited lectures (Hall 2)

11:45 - 12:00 Jarmila Trpcevska **Invited lecture (IN-11)**

Technical University of Kosice, Faculty of Metallurgy,
Institute of Recycling Technology, Slovakia

BY-PRODUCTS FORMED IN THE HOT DIP GALVANIZING PROCESS

VIIth INTERNATIONAL METALURGICAL CONGRESS

12:00 - 12:15 **Kemal Delijić**

Invited lecture (IN-12)

Faculty of Metallurgy and Technology, University of Montenegro

EFFECT OF HOMOGENIZATION AND INTER-ANNEALING ON FORMABILITY AND CORROSION BEHAVIOR OF TWIN ROLL CAST Al-Fe-Mn-Si SHEETS

12:30 - 12:45 Tsanka Dikova

Invited lecture (IN-13)

Faculty of Dental Medicine, Medical University of Varna, Varna, Bulgaria

APPLICATION OF 3D PRINTING IN MANUFACTURING OF CAST PATTERNS

12:30 - 12:45 **Nenad Radović**

Invited lecture (IN-14)

University of Belgrade, Faculty of Technology and Metallurgy,
Department of Metallurgical Engineering, Belgrade, Serbia

SOME ASPECTS OF DECOMPOSITION OF MEDIUM-CARBON VANADIUM MICROALLOYED AUSTENITE

Invited lectures (Hall 1)

11:45 - 12:00 Vencislav Grabulov

Invited lecture (IN-15)

Institute for materials testing, Belgrade, Srbija

DAMAGING OF TURBINE RUNNER BLADES THAT OCCURS DUE TO CAVITATION AT THE HYDRO POWER PLANT „DJERDAP 1“

12:00 - 12:15 Sulejman Muhamedagić

Invited lecture (IN-16)

University of Zenica, Faculty of Metallurgy and Materials Science,
Zenica, Bosnia and Hercegovina

MINERALOGICAL AND PHASE TRANSITIONS IN AGGLOMERATES PRODUCED FROM LIMONITE ORE, OMARSKA

12:15 - 12:30 **Slaviša Moljević**

Invited lecture (IN-17)

University of East Sarajevo, Faculty of Mechanical Engineering, Bosnia and Herzegovina

ANALYSIS OF THE NEED TO IMPROVE QUALITY IN THE MANUFACTURING INDUSTRY

12:30 - 12:45 **Laubertová, M.**

Invited lecture (IN-18)

Technical University of Kosice, Faculty of Metallurgy, Institute of Recycling

SAMPLING PROCEDURE OF PRINTED CIRCUIT BOARDS FROM DISCARDED MOBILE PHONES

16:00 - 17:00 Poster Session (CM, E, CPM, PEM, NN, NAM, EP, WMP, IRM, EDU) - Hall 2

20:00 - Official Conference Dinner

VIIth INTERNATIONAL METALURGICAL CONGRESS

Sunday 12.06.2016

9:00 Sight seeing of Ohrid

12:00 Closing of Congress

**VIIth INTERNATIONAL METALURGICAL
CONGRESS**

METALLURGY, MATERIALS, ENVIROMENTAL (MME)



MACEDONIAN UNION OF METALLURGISTS

General sponsor



Under the auspices of the



Faculty of Technology and Metallurgy
University Ss Cyril and Methodius



Economic Chamber of Macedonia



СТОПАНСКА КОМОРА
НА МАКЕДОНИЈА
ECONOMIC CHAMBER
OF MACEDONIA



Engineering Institution
of Macedonia

General sponsor



Sponsors



FENI INDUSTRI A.D. Kavadarci



Jugohrom Ferroalloys LTD
Jegunovce



BUCIM DOOEL, Radovis



ARCELORMITTAL A.D. Skopje



VARDAR DOLOMIT DOO, Skopje



OGNOOTPORNO DOO, Skopje



RZ TEHNICKA
KONTROLA A.D.,
Skopje



VATROSTALNA DOO, Skopje



ALEKS DOO, Skopje



STEMCOR MACEDONIA, Skopje



LIPTERM DOO, Skopje



RZ INSTITUT
A.D., Skopje