

Programme of XIIIth International Conference
PREPARATION OF CERAMIC MATERIALS
Jahodná, 25th – 27th June, 2019
25. 6. 2019

 11³⁰ - 14⁰⁰ Registration, *Hotel Jahodná*

 12³⁰ – 13³⁰ Lunch, *Restaurant Jahodná*
13⁴⁵ Opening of PCM Conference (Conference hall in Jahodná)

A. prof. Ing. Gabriel Sučík, Ph.D./ department manager of Non-metallic Materials, Institute of Metallurgy, Faculty of Materials, Metallurgy and Recycling, Technical University of Košice

14⁰⁰ Lectures (Conference hall in Jahodná)

B. Udvardi, R. Géber, I. Kocserha	EXAMINATION OF DIFFERENT WASTE MATERIALS FOR ROAD CONSTRUCTION
M. Hujova, J. Kloužek, R. Pokorny, J. Kraxner	CONVERSION OF BATCH-TO-GLASS ANALYSIS: APPLICATION TO NUCLEAR WASTE
R. Bystrický, Mi. Hnatko, J. Sedláček	PREPARATION OF LIGHTWEIGHT AGGREGATES FROM INDUSTRIAL WASTE
K. Tomášek	METALLURGICAL AND NATURAL VULCANIC MELTS

 15³⁰ - 16⁰⁰ Coffee break

L. Ďurik , J. Švantner, L. Parilák, M. Brenkus	DEVELOPMENT OF ULTRALOW-CEMENT SPINEL CASTABLE FOR WORKING LINING OF LADLE IN ZP, a.s
M. Fabián, B.I. Arias-Serrado, A. A. Yaremchenko, H. Kolev, M. Kaňuchová, J. Briančin	ELECTRICAL CONDUCTIVITY IN Ca DOPED LaAlO ₃ PEROVSKITES PREPARED BY BALL MILLING
D. Furka, S. Furka, M. Naftaly, M. Čaplvičová, M. Janek	TERAHERTZ TIME-DOMAIN SPECTROSCOPY OF THE BORON DOPED ZnO MATERIALS
K. Jilkova, M. Mika, P. Kostka, F. Lahodny, R. Bures	GLASSES IN THE PbO-Bi ₂ O ₃ -Ga ₂ O ₃ SYSTEM WITH ADDITION OF Ag ₂ O AND Sb ₂ O ₃ FOR ELECTRO-OPTIC LIGHT MODULATORS

 17³⁰ – 19⁰⁰ Registration, *Hotel Jahodná*
19³⁰ Opening of Social Evening and Dinner *in Restaurant Jahodná*

A.Prof. Ing. Iveta Vasková, Ph.D. / dean of Faculty of Materials, Metallurgy and Recycling, Technical university of Košice

26. 6. 2019

 8⁰⁰ - 8³⁰ Breakfast , *Restaurant Jahodná*
(Time for hanging out posters)
8³⁰ Lectures (Conference hall in Jahodná)

F. Lofaj, M. Kabátová, J. Dobrovodský, M. Beňo, D. Vaňa	HYDROGENATION OF CARBON MATRIX IN W-C:H COATINGS DURING HYBRID PVD-PECVD SPUTTERING BY ERDA
L. Kvetková, M. Kabatová, F. Lofaj, A. Kovalčíková	WC COATINGS PREPARED BY HITUS
M. Mánik, F. Obert, J. Ondruška, T. Húlan, I. Štubňa	SHORE HARDNESS AND YOUNG'S MODULUS OF ALUMINA PORCELAIN MIXTURE FIRED AT 300 °C – 1250 °C
D. Medved, M. Ivor, et. al.	MICROSTRUCTURE CHARACTERISTICS, TRIBOLOGY AND NANO-HARDNESS OF HVOF AND PLASMA SPRAYED NiCrRe COATINGS

 9³⁰ – 10⁰⁰ Coffee break

H. Bruncková, M. Kaňuchová, H. Kolev, L. Medvecký	XPS CHARACTERIZATION OF EuNbO ₄ THIN FILM PREPARED BY SOL-GEL METHOD
Ž. Dohnalová, M. Šnajdarová	PREPARATION OF TRANSITION METALS DOPED SrSnO ₃
M. Kavanová, A. Kloužková	IDENTIFICATION OF DEFECTS OF SURFACE CERAMIC FINISHING
M. Hnatko, M. Hičák, J. Sedláček, P. Šajgalík	SURFACE MODIFICATION OF DENSE SILICON NITRIDE

11⁰⁰ Opening of poster section I (Competitive Poster / 90 s)

 12³⁰ – 13³⁰ Lunch, *Restaurant Jahodná*
14⁰⁰- 16⁰⁰ Posters section (Conference hall in Jahodná)
16³⁰ Lectures (Conference hall in Jahodná)

M. Tatarková, P. Tatarko, I. Dlouhý, J. Dusza	SINTERING BEHAVIOUR AND MICROSTRUCTURAL EVOLUTION OF SILICON NITRIDE COMPOSITES WITH BORON NITRIDE PLATELETS
M. Janek, et. al. T	HYDROXYAPATITE BASED MATERIALS FOR FDC 3D PRINTING FILAMENTS APPLICABLE IN TISSUE SCAFFOLDS DEVELOPMENT
K. Švagrová, D. Horkavcová, A. Helebrant	MEASUREMENT OF BIOACTIVITY AND ANTIBACTERIAL EFFECT OF TITANIA BASED COATINGS WITH Ag, Ca, P

Possibility of relax - swimming pool,, short walk-trip in Jahodná – Lajoška (4 h, mountain elevation 335 m))

 17³⁰ Dinner and **20⁰⁰ Fireparty / Poster evaluation**
27. 6. 2019

 8⁰⁰ - 8³⁰ Breakfast , *Restaurant Jahodná*
9⁰⁰ Lectures (Conference hall in Jahodná)

N. P. Govindan, M. Michálková, D. Galusek	Ce ³⁺ DOPED YTTRIA NANOPOWDERS FOR TRANSPARENT YTTRIA CERAMICS PREPARED BY PRECIPITATION METHOD
M. Abdelfattah, I. Kocserha, R. Géber	THE EFFECT OF CALCIUM FLUORIDE ON MINERAL PHASES AND PROPERTIES OF LIGHTWEIGHT EXPANDED CLAY AGGREGATES
J. F. M. Ibrahim, E. Kurovics, L.A. Gömze	NEW ZEOLITE-ALUMINA COMPOSITE MATERIALS - DEVELOPMENT AND INVESTIGATION
A. Kloužková, M. Kohoutková	USE OF HYDROTHERMAL CONDITIONS IN THE FIELD OF SPECIAL CERAMIC MATERIALS
P. Dvořáková, F. Oujří, A. Kloužková, M. Kavanová, M. Kohoutková	INFLUENCE OF COMPOSITION ON PROPERTIES OF A CALCIUM CERAMIC BODY

Conclusion of the Conference - 10³⁰

 11⁰⁰ – 12³⁰ Lunch, *Restaurant Jahodná*