CONFERENCE PROGRAMME

TOPIC 1  
MATERIALS

Wednesday, May 31, 2017
13:30 – 15:30
Chairperson: EVA TILLOVÁ, Slovak Republic

DENISA ZÁVODSKÁ – EVA TILLOVÁ – MARIO GUAGLIANO – MÁRIA CHALUPOVÁ – LENKA KUCHARIKOVÁ, Žilina, Slovak Republic: Effects of porosity on the fatigue behavior of AlZn10Sn8Mg casting alloys in a high cycle region


MONIKA ORAVCOVÁ – PETER PALČEK – MÁRIA CHALUPOVÁ, Žilina, Slovak Republic: Surface evaluation of AISI 316L after fatigue failure

DANIEL KAJÁNEK – FILIP PASTOREK – STANISŁAVA FINTOVÁ – ADRIAN BAČA, Žilina, Slovak Republic: Study of corrosion behaviour of dicalcium phosphate-dihydrate (DCPD) coating prepared by large amplitude sinusoidal voltammetry (LASV) technique on ZW3 magnesium alloy

KAMIL BORKO – BRANISLAV HADZIMA – MARTINA NESLUŠAN JACKOVÁ, Žilina, Slovak Republic: Corrosion resistance of Domex 700 steel after combined surface treatment in chloride environment

ROBERT ULEWICZ – FRANTIŠEK NOVÝ, Częstochowa, Poland: Fatigue resistance and influence of cutting technology on the mechanical properties of modern steels used in the automotive industry

IZABELA PLISZKA – NORBERT RADEK, Kielce, Poland: Corrosion resistance of WC-Cu coatings produced by electrospark deposition

MICHAL P. DREWNIOK – GRZEGORZ CYGAN – JACEK GOŁASZEWSKI, Gliwice, Poland: Influence the rheological properties of SCC on the formwork pressure

ZUZANA FLORKOVÁ – MICHAL JAMBOR, Žilina, Slovak Republic: Quantification of aggregate surface texture based on three dimensional microscope measurement

DANIEL KRAJCARZ – DAMIAN BAŃKOWSKI – PIOTR MŁYNARCZYK, Kielce, Poland: The effect of traverse speed on kerf width in AWJ cutting of ceramic tiles

Wednesday, May 31, 2017
16:00 – 18:00
Chairperson: LENKA KUCHARIKOVÁ, Slovak Republic

MAGDALENA MAZUR, Częstochowa, Poland: Assessment of the construction welding process

EMIL JAHODA – JOZEF KÚDELČÍK, Žilina, Slovak Republic: Internal partial discharge in cavity of polyurethane

MAREK VEVERIČÍK – PETER BURY – PETER KOPČANSKÝ – MILAN TIMKO – ZUZANA MITRÓOVÁ, Žilina, Slovak Republic: Effect of carbon nanotubes on liquid crystal behavior in electric and magnetic fields studied by SAW

VLADIMÍR CHUDÁČIK – MILAN SMETANA – KLÁRA ČÁPOVÁ, Žilina, Slovak Republic: Conductive biomaterial inhomogeneities modeling in electromagnetic nondestructive evaluation

MALGORZATA GOŁASZEWSKA – TOMASZ PONIKIEWSKI, Gliwice, Poland: Influence of low pressure steam curing on development of strength of mortars based on cement with high-calcium fly ash

MATEJ HÁJEK – MARTIN DECKÝ, Žilina, Slovak Republic: Homomorphic model pavement with sub base layer of foam concrete

MÁRIA MINÁROVÁ – JOZEF SUMEC, Bratislava, Slovak Republic: Alternative calculation of the retardation and relaxation spectra for the viscoelastic response of the solid phase materials


Thursday, June 1, 2017
08:30 – 09:30

Chairperson: MAGDALENA MAZUR, Poland


PATRÍCIA KADLICOVÁ - STANISLAVA GAŠPERCOVÁ – LINDA MAKOVICKÁ OSVALDOVÁ, Žilina, Slovak Republic: Monitoring of weight loss of fibreboard during influence of flame

MAROŠ KRAJČÍR – JANA MÜLLEROVÁ, Žilina, Slovak Republic: 3D small-scale fire modelling testing preparation

MAROŠ KRAJČÍR – JANA MÜLLEROVÁ, Žilina, Slovak Republic: 3D small-scale fire modelling experiments