

# Program of the 32<sup>nd</sup> International Colloquium

**“Advanced Manufacturing and Repair Technologies in Vehicle Industry”**

University of Pardubice, **Svojanov Castle**, Czech Republic

## **Wednesday, 20 May 2015**

- 12:00 - 13:30 **Arrival of Participants**, Accommodation & Refreshment
- 14:00 - 14:15 **Welcome Drink**, Invitation & Introductory Remarks
- 14:15 - 15:15 **Conference Session No.1** (4x) *Chair-Person: prof. Bokůvka*
- 15:15 - 15:30 **Coffee Break**
- 15:30 - 16:15 **Conference Session No.2** (3x) *Chair-Person: prof. Liptáková*
- 16:30 - 18:00 **Visit to one of the Oldest Wooden Village Churches in region (Starý Svojanov) & Baroque Music Organ Concert**  
(3km walking - forest road, relax in wonderful countryside)
- 18:30 - 20:15 **Welcome Party** - Invitation, Lunch
- 20:30 - 21:30 **Meeting of the Scientific Committee**

## **Thursday, 21 May 2015**

- 07:15 - 08:00 **Breakfasts in Gothic Style**
- 08:15 - 13:00 **Trip by Bus to the Art Foundry DSB Euro and companies ČKD Blansko SMALL HYDRO & ČKD Blansko Holding**
- 13:30 - 16:00 **Visit to Moravian Karst (caves: Výpustek & Býčí skála)**  
(good shoes and dress, for underground temperature ca 5°C)
- 17:30 - 18:15 **Back to the Castle, Poster Session** & Beer Party
- 18:30 **Grill Reception & Live Music Party**, Big-Band Svitavy

## **Friday, 22 May 2015**

- 08:00 - 08:45 **Breakfast in Medieval Style**
- 09:00 - 10:00 **Conference Session No.3** (4x) *Chair-Person: prof. Takács*
- 10:00 - 10:30 **Coffee Break**
- 10:30 - 11:15 **Conference Session No.4** (3x) *Chair-Person: ass.prof. Ulewicz*
- 11:15 - 11:30 Summarizing Discussion & Invitation to the (next) COLL\_2016
- 12:00 - 13:00 **Lunch & Finish of the Colloquium**
- 13:00 - 14:00 **Departure of Participants**, Kiss and Ride ☺

**LIST and TIME PLAN of ORAL PRESENTATIONS** (see the No. of Session - by colour - last page):

Please, accept the maximum time-length of each "lecture &amp; discussion" 15 minutes

14:15 14:30	R.ROMANKIEWICZ, F.ROMANKIEWICZ	INFLUENCE OF MODIFICATION ON THE STRUCTURE AND MORPHOLOGY OF FRACTURE OF ALSI13MG1CUNI SILUMIN
14:30 14:45	L.HURTALOVÁ, E.TILLOVÁ, M.CHALUPOVÁ	EFFECT OF THE DIFFERENT TECHNOLOGICAL PROCESSES DURING AND AFTER CASTING OF HYPOEUTECTIC ALUMINIUM ALLOYS ON THE EUTECTIC Si PARTICLES MORPHOLOGY
14:45 15:00	M.UHRÍČEK, P.KOPAS, P.PALČEK	EXPERIMENTAL AND NUMERICAL ANALYSIS OF ALUMINIUM ALLOY FATIGUE LIFETIME UNDER COMBINED CYCLIC BENDING - TORSION LOADING
15:00 15:15	Z.DRESSLEROVÁ, P.PALČEK	INTERNAL DAMPING DEPENDING ON THE VIBRATION AMPLITUDE MEASURED ON SPECIMENS AZ31 AND AZ91 IN AS CAST STATE AND AFTER HOMOGENIZATION ANNEALING
15:30 15:45	J.LAGO, O.BOKŮVKA, F.NOVÝ, M.ORAVCOVÁ	THE WELD TOE IMPROVED BY A LASER REMELTING PROCESS IN COMPARISON WITH A CLASSIC TIG-DRESSING TECHNOLOGY
15:45 16:00	M.LOVÍŠEK, T.LIPTÁKOVÁ, F.PEŠLOVÁ	CORROSION BEHAVIOUR OF THE WELDED STEEL 1.4313/CA6-NM
16:00 16:15	M.KRYNKE	THE IMPACT OF THE SEAT SUPPORT SUBASSEMBLY WARPING ON LOADS DISTRIBUTION IN SLEWING BEARING DURING BODYWORK ROTATION
09:00 09:15	J.KRMELA, V.KRMELOVÁ, L.BENEŠ	EXPERIMENT OF TIRE-CROWN FOR COMPUTATIONAL MODELING OF TIRE
09:15 09:30	U.KAYA	THE ELASTIC-PLASTIC RESPONSE OF HADFIELD STEEL UNDER INDENTATION TEST
09:30 09:45	O.KILINC	FREIGHT WAGONS IN TURKEY: A COMPARATIVE STUDY
09:45 10:00	A.ONAT, P.VOLTR, M.LATA	NONLINEAR WHEEL/RAIL CONTACT GEOMETRY CHARACTERISTICS & DETERMINATION OF HERTZIAN CONTACT
10:30 10:45	P.HANUS, E.SCHMIDOVÁ, J.TOMANOVIČ	INFLUENCE OF THE WELDING PROCESS ON THE MARTENSITIC HIGH STRENGTH STEEL
10:45 11:00	A.BAUERNHUBER, T.MARKOVITS	COMPARISON OF PULSE MODE ND:YAG LASER ASSISTED METAL PLASTIC JOINING WITH COMPETITIVE TECHNOLOGIES
11:00 11:15	K.BÁN, S.BALLA, L.NOVÁK, A.SZABÓ, A.LOVAS	FORMATION TENDENCY IN TRANSITION METAL BASED LIQUIDS AND SOME RELATED PROPERTY CHANGES IN GLASSY STATE

**POSTER SESSION:**

P1	R.ULEWICZ, P.SZATANIAK, F.NOVI	POSSIBILITIES OF APPLICATION OF MODERN FINE GRAINED STEELS FOR THE PRODUCTION OF CAR SEMITRAILERS
P2	S.BORKOWSKI., M.KRYNKE	THE USE EFFICIENCY OF TEXTILE MACHINES AND EQUIPMENT
P3	L.MARKOVIČOVÁ, V.ZATKALÍKOVÁ, A.TOR- SWIATEK	CHANGING THE PROPERTIES OF THE COMPOSITE PA + GF TO UV RADIATION
P4	J.MEŠKO, A.ZRAK, R.NIGROVIČ	EFFECT OF CUTTING SPEED BY LASER ON THICKNESS OF HEAT AFFECTED ZONE OF MILD STEEL S235
P5	V.ZATKALÍKOVÁ, L.MARKOVIČOVÁ	PITTING CORROSION OF Cr-Ni-Mo STAINLESS STEEL IN THE PRESENCE OF MoO IONS ADDED TO AGGRESSIVE CHLORIDE SOLUTION
P6	A.VAŠKO	FATIGUE LIFE OF SYNTHETIC NODULAR CAST IRONS AT HIGH FREQUENCY LOADING
P7	J.BELAN	INTERMETALLIC PHASES - TCP AND Ni <sub>3</sub> X PHASES IN CAST AND WROUGHT NICKEL SUPERALLOYS AND ITS INFLUENCE ON MECHANICAL PROPERTIES
P8	A.ÖZDEMIR, P.ŠVANDA	THE CHARACTERIZATION OF ZINC PLATED SURFACES AFTER AGED ADHESIVES
P9	P.HOJKA, J.VÁGNER, E.SCHMIDOVÁ	TENSILE TESTS AT HIGH STRAIN RATES