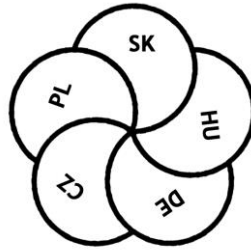


33rd International Colloquium

Advanced Manufacturing and Repair Technologies in Vehicle Industry



PROGRAM



May 25 - 27, 2016

**Zuberec – Brestová
Roháče, Western Tatras**

Colloquium 2016 Venue

UNIZA resort of Zuberec

Western Tatras – Slovakia
Brestová 380, 027 32 Zuberec

http://zuberec.uniza.sk/?page_id=22&lang=en



Instructions

Oral presentation

Oral presentations will be held 15 minutes including discussion.

Please give us the presentation to a conference notebook during your registration at the registration desk.

Social program

Wednesday – May 25, 2016

19:30 – 20:30 Scientific Committee meeting in the Conference Hall.

Thursday – May 26, 2016

08:30 – 12:30 Excursion or Trip

The group of participants which would like to go leave at 08:30 sharp in front of the Conference Hall. Comfortable footwear is advised.

19:00 Colloquium Dinner

The Colloquium dinner will be in the Conference Hall.

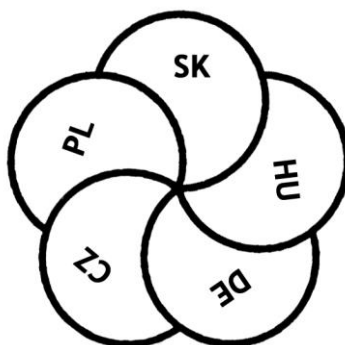
Friday – May 27, 2016

11:40 – 12:00 Invitation for Colloquium 2017

Closing ceremony in the Conference Hall.

33rd International Colloquium

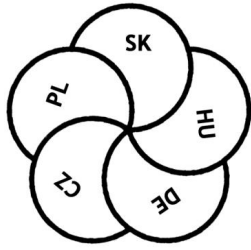
Advanced Manufacturing and Repair Technologies in Vehicle Industry



GENERAL PROGRAM

Day	Time	Event	Location
WEDNESDAY May 25, 2016	13.00 – 14.30	Registration	Conference Hall
	13.00 – 14.15	Lunch	
	14.30 – 14.45	Opening ceremony	
	14.45 – 16.05	Session I	
	16.05 – 16.25	Coffee break	
	16.25 – 17.10	Session II	
	18.00 – 19.00	Diner	
	19.30 – 20.30	Scientific Committee meeting	
THURSDAY May 26, 2016	07.30 – 08.30	Breakfast	Conference Hall
	08.30	Excursion or trip	
	12.30	Arrival from excursion or trip	
	12.30 – 14.00	Lunch	
	14.00 – 15.30	Session III	
	15.30 – 15.45	Coffee break	
	15.45 – 17.50	Session IV	
	19.00	Colloquium Dinner	
FRIDAY May 27, 2016	07.30 – 08.30	Breakfast	Conference Hall
	09.00 – 10.00	Session V	
	10.00 – 10:25	Coffee break	
	10.25 – 11.40	Session VI	
	11.40 – 12.00	Invitation for the Colloquium 2017	
		Closing ceremony	
	12.00	Lunch	

Note: Details are in the following pages !!!



33rd International Colloquium

Advanced Manufacturing and Repair Technologies in Vehicle Industry

FINAL PROGRAM

Wednesday 25.05.2016

- 13⁰⁰ – 14³⁰** **Registration**
- 13⁰⁰ – 14¹⁵** **Lunch**
- 14³⁰ – 14⁴⁵** **Opening ceremony**
- 14⁴⁵ – 16⁰⁵** **Session I – *Chairman: Eva Tillová; Peter Palček***
- 14⁴⁵ - 15⁰⁵ ***Adrián Bača, Radomila Konečná, Gianni Nicoletto, Ludvík Kunz***
 FATIGUE CRACK GROWTH BEHAVIOR OF Ti6Al4V FABRICATED BY ADDITIVE
 MANUFACTURING
- 15⁰⁵ - 15²⁵ ***Zuzana Dresslerová, Peter Palček, Milan Uhrčík***
 INFLUENCE OF STRAIN AMPLITUDE ON DAMPING BEHAVIOR OF THE MAGNESIUM
 ALLOYS AZ31, AZ61 AND AZ91
- 15²⁵ - 15⁴⁵ ***Miroslav Omasta, Branislav Hadzima, Filip Pastorek***
 IMPROVE BIODEGRADATION PROPERTIES OF ELEKTRON 21 MAGNESIUM ALLOY BY
 OCP COATING
- 15⁴⁵ - 16⁰⁵ ***Martin Lovíšek, Tatiana Liptáková, Sylvia Dundeková***
 CORROSION BEHAVIOR OF TWO Al-BRASSES EVALUATED BY DIFFERENT METHODS
- 16⁰⁵ – 16²⁵** **Coffee break**
- 16²⁵ – 17¹⁰** **Session II – *Chairman: Robert Ulewicz; Lenka Kuchariková***
- 16²⁵ - 16⁴⁰ ***Kamil Borko, Branislav Hadzima, Filip Pastorek, Martina Neslušan Jacková***
 EFFECT OF CHLORIDE CONCENTRATION ON THE CORROSION RESISTANCE OF WELDED
 HYPOEUTECTOID STEEL
- 16⁴⁰ - 16⁵⁵ ***Anna Wróbel-Knysak, Leszek Radziszewski***
 CONDITION OF Al-Si PROTECTIVE COATING OF AUTOMOTIVE EXHAUST SYSTEMS
 AFTER DIP&DRY CORROSION TEST
- 16⁵⁵ - 17¹⁰ ***Alp Özdemir, İbrahim Kocabaş, Pavel Švanda***
 DEGRADATION MECHANISM OF ADHESIVE JOINTS WITH MILD STEEL ADHERENDS
- 18⁰⁰** **Dinner**

Thursday 26.05.2016

- 07³⁰ – 08³⁰ Breakfast
- 08³⁰ – 12³⁰ Excursion or trip
- 12³⁰ – 14⁰⁰ Lunch
- 14⁰⁰ – 15³⁰ Session III – **Chairman: Tomáš Markovits; Eva Schmidová**
- 14⁰⁰ - 14¹⁵ **Tomasz Tański**, Przemysław Snopiński, Stanislav Rusz, Ondrej Hilser, Ewa Okoń
STRUCTURE AND PROPERTIES OF AlMg ALLOY SUBJECTED TO THE HPT AND ECAP PROCESS
- 14¹⁵ - 14³⁰ **Libor Beneš**, Lenka Michnová, Václav Machek
OPTIMIZING THE MECHANICAL PROPERTIES OF Al-Si ALLOYS DURING THE PRECIPITATION HARDENING PROCESS
- 14³⁰ - 14⁴⁵ **Remigiusz Romankiewicz**, Ferdynand Romankiewicz
INFLUENCE OF MODIFICATION ON THE STRUCTURE AND MORPHOLOGY OF FRACTURE OF AlSi21CuNi
- 14⁴⁵ - 15⁰⁰ **Wojciech Żórawski**, Anna Góral, Medard Makrenek, Szymon Kowalski
COMPARISON OF THE MICROSTRUCTURE OF COLD SPRAYED AND HVOF WC-12CO COATINGS
- 15³⁰ – 15⁴⁵ Coffee break
- 15⁴⁵ – 17⁵⁰ Session IV – **Chairman: Libor Beneš, Ferdynand Romankiewicz**
- 16⁰⁵ - 16²⁰ **Petr Jonšta**, Irena Vlčková, **Zdeněk Jonšta**, Roman Heide
MATERIALS ENGINEERING ANALYSIS OF 26NiCrMoV14-5 STEEL FOR MACHINERY COMPONENT MANUFACTURE
- 16²⁰ - 16³⁵ **Juraj Belan**, Lenka Kuchariková, Eva Tillová
METALLOGRAPHY OF CAST AND WROUGHT SUPERALLOYS
- 16³⁵ - 16⁵⁰ **Yalçın Özdemir**, Petr Voltr
CONTACT BETWEEN WHEEL AND “ROTATING RAIL” ON A ROLLER RIG
- 16⁵⁰ - 17⁰⁵ **Jakub Zajíc**, Petr Hanus, Michal Schmid
EVALUATION OF OPERATIONAL HARDENING OF THE RAILWAY WHEELS SURFACE LAYERS
- 17⁰⁵ - 17²⁰ **Martin Schuster**, **Balázs Vehovszky**, Tamás Jakubík
THERMAL EXAMINATION OF A TUBE – HALF TUBE MODEL SYSTEM
- 17²⁰ - 17³⁵ **Tamás Markovits**, Andor Bauernhuber, **János Takács**
TORSION CHARACTERISTICS OF PIN-TO-PLATE LAP JOINTS
- 17³⁵ - 17⁵⁰ **Magdalena Mazur**, Robert Ulewicz
MANUFACTURE QUALITY OF ELEMENTS RESPONSIBLE FOR SECURITY SERVICE CAR
- 19⁰⁰ Colloquium Dinner

Friday 27.05.2016

07³⁰ – 08³⁰ Breakfast

09⁰⁰ – 10⁰⁰ Session V – **Chairman: János Takács; Zdeněk Jonšta**

09⁰⁰ - 09¹⁵ **Miklós Berczeli**, József Hlinka, Enikő Réka Fábián, Zoltán Weltsch

INVESTIGATION OF LASER TREATED Cu SURFACE LAYER

09¹⁵ - 09³⁰ József Hlinka, **Tamás Magyar**, Krisztián Bán, Zoltán Weltsch

EFFECT OF LASER TREATMENT ON THE WETTABILITY BETWEEN STEEL AND SOLDER PASTE

09³⁰ - 09⁴⁵ **Fatih Bozkurt**, Eva Schmidová

EXAMINATION OF THE LOCAL MECHANICAL BEHAVIOR AFTER WELDING

09⁴⁵ - 10⁰⁰ Jozef Meško, **Rastislav Nigrovič**, Andrej Zrak

THE IMPACT OF SELECTED TECHNOLOGICAL PARAMETERS OF LASER CUTTING ON THE CUT AREA SURFACE ROUGHNESS ON MILD STEEL S235JR

10⁰⁰ – 10²⁵ Coffee break

10²⁵ – 11⁴⁰ Session VI – **Chairman: Tomasz Tański; Otakar Bokůvka**

10²⁵ - 10⁴⁰ **Paweł Szataniak**, František Nový, Robert Ulewicz

THETHREE-POINT CYCLIC BENDING FATIGUE TESTS OF STREX STEEL

10⁴⁰ - 10⁵⁵ **Monika Oravcová**, Peter Palček, Milan Uhrčík, Mária Chalupová

FATIGUE FAILURE OF AUSTENITIC STAINLESS STEEL

10⁵⁵ - 11¹⁰ **Denisa Závodská**, Eva Tillová, Mario Guagliano, Lenka Kuchariková, Mária Chalupová

FATIGUE PROPERTIES OF Al-Zn-Si CAST ALLOY - THE EFFECT OF CASTING DEFECTS

11¹⁰ - 11²⁵ **Ján Lago**, Otakar Bokůvka, Libor Trško, František Nový

ANALYSIS OF THE DEPENDENCE OF FATIGUE LIMIT AND INTRINSIC CRACK LENGTH ON STEEL'S ULTIMATE TENSILE STRENGTH

11²⁵ - 11⁴⁰ **Milan Uhrčík**, Peter Kopas, Peter Palček

EXPERIMENTAL AND NUMERICAL ANALYSIS OF ALUMINIUM ALLOY FATIGUE LIFETIME UNDER COMBINED BENDING-TORSION LOADING UNDER IN-AND-OUT OF PHASE SHIFT 0° AND 90°

11⁴⁰ – 12⁰⁰ **Invitation for the Colloquium 2017**

Closing ceremony

12⁰⁰ Lunch