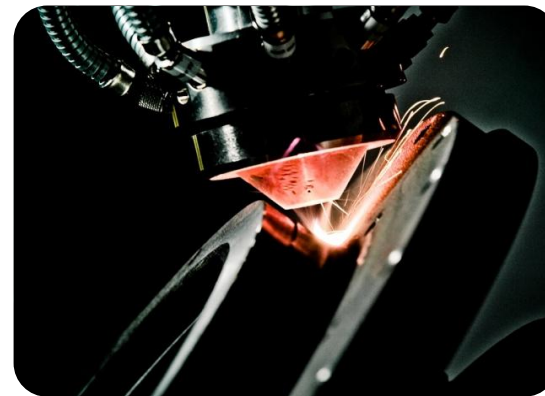
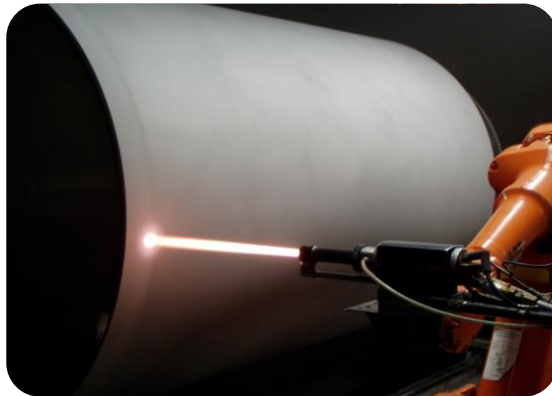


2nd Announcement

Workshop on thermal spray and laser clad coatings

COATINGS FOR HIGH TEMPERATURE APPLICATIONS



14-15 October, 2014
Plzeň, Czech Republic





MAIN OBJECTIVES

The objective of the workshop is to present the insight to the principle, technical aspects and applications potential in the high temperature conditions of the two modern technologies of thick coatings deposition: thermal spraying and laser cladding. The basics, required manufacturing and technological conditions as well as the case studies will be presented by the most relevant speakers. The comparison of the two related technologies, in many cases competitive, will bring deeper understanding of the field of coatings for high temperature applications



WHO SHOULD ATTEND

Managers of sophisticated productions, product development and design engineers, technologist, scientists, lecturers and students interested in the field of surface engineering.

LANGUAGE

English

REGISTRATION

Please contact:

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University of West Bohemia
Univerzitní 8
Plzeň, 306 14
Czech Republic

Tel: +420 377 634 818

Fax: +420 377 634 702

REGISTRATION DEADLINE

July 30th, 2014



SPEAKERS AND TOPICS



Prof. Lech Pawlowski (UniLim, France)
Laser treatment of films and coatings

Prof. Petri Vuoristo (TUT, Finland)
Comparison of properties of coatings for high temperatures by advanced laser cladding and thermal spray technologies

Prof. Pavel Chráska (IPP AS CR, Czech Republic)
Coatings for glass industry

Prof. Wojciech Zorawski (TU Kielce, Poland)
Microstructure and Mechanical Properties of Axial-Injection Suspension Plasma Sprayed ZrO₂-8Y₂O₃ coatings“

Dr. Giovanni Bolleli (Unimore, Italy)
Tribology of metallic and hard metal thermal spray coatings at high temperature

Dr. Gerd Paczowski (CTU Chemnitz, Germany)
Thermomechanical post-treatment of thermal sprayed coatings on stainless steel substrate to increase the tribological durability

Dr. Michael Lutz Berger (IWS Dresden, Germany)
Behavior of hardmetal compositions during spraying and high temperature coating service

Dr. Sophie Costil (UTBM, France)
Thermal spraying and hybrid processes: the use of laser technology

Dr. Tomáš Chráska (IPP AS CR, , Czech Republic)
Properties of Novel Hybrid Water/Gas DC Arc Plasma Torch

Dr. Radek Enžl (Sulzer Metco, Germany)
Improving Plasma Spray Efficiency Through the Application of Advanced Cascade Gun Technology

Dr. Michaela Prantnerová (VZU Plzen, Czech Republic)
HVOF coatings for power industry

Ondřej Soukup (LaserTherm, Czech Republic)
Laser processing using high power diode lasers in heavy industry

WORKSHOP FEES

For ETSA members – 160 Eur or 4500 Kč
For non-members – 180 Eur or 5000 Kč

PAYMENT DETAILS

Payment in Euros:
IBAN:CZ545500000001063008661
B.I.C.:RZBCCZPP
Note for the recipient: participants name

Payment in CZK:
Account number: 106 300 8645 /
5500, Raiffeisenbank, a.s.
Var. symb: 47718684
Note for the recipient: participants name

PAYMENT DEADLINE

July 30th, 2014

PAYMENT INCLUDES

Workshop fee
Lunches and Cofeebreaks
Brewery visit
Social dinner



TRAVEL AND ACCOMODATION IN PLZEŇ

Travel and accomodation information can be found:

<http://www.pilsen.eu/tourist/information/transport-to-pilsen/>

<http://www.pilsen.eu/tourist/stay-and-dine/accommodations/>

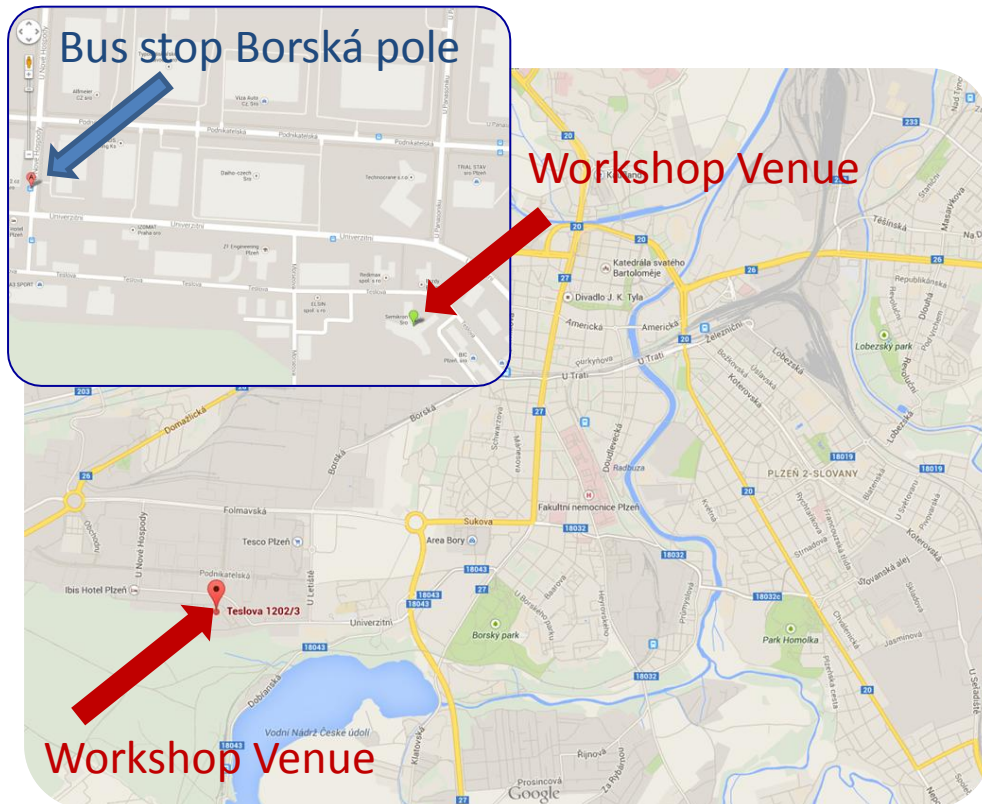
VENUE

Vědeckotechnický park Plzeň, a.s.

Teslova 3
301 00 Plzeň

HOW TO GET THERE

Bus no. 15,18,29,30 – Bus stop Borská pole
5 minutes walk



Workshop on thermal spray and laser clad coatings

COATINGS FOR HIGH TEMPERATURE APPLICATIONS

14-15 October, 2014, Plzeň, Czech Republic

Program

Thursday 14th October

8:30 - 9:30	<i>Registration</i>	
9:30-9:45	Lech Pawlowski	Opening; ETSA presentation
9:45-10:30	Pavel Chráska	Thermal Coatings for Glass Industry
10:30-11:15	Tomáš Chráska	Properties of Novel Hybrid Water/Gas DC Arc Plasma Torch
11:15-11:30	<i>Coffebreak</i>	
11:30-12:15	Michael Lutz Berger	Material aspects of thermal spraying of hardmetal compositions
12:15-13:00	Giovanni Bolelli	Tribology of metallic and hardmetal thermal spray coatings at high temperature
13:00-13:45	<i>Lunch break</i>	
13:45-14:30	Wojciech Zorawski	Microstructure and Mechanical Properties of Axial-Injection Suspension Plasma Sprayed ZrO ₂ -8Y2O3 coatings
14:30-15:15	Radek Enžl	Improving Plasma Spray Efficiency Through the Application of Advanced Cascade Gun Technology
15:15-15:30	<i>Coffebreak</i>	
15:30-16:15	Michaela Prantnerová	HVOF coatings for power industry
17:00	<i>Pilsen Urquel Brewery visit</i>	
19:00	<i>Workshop dinner</i>	



Wednesday 15th October

8:30- 9:30	ETSA meeting	
9:30-10:15	Lech Pawlowski	Laser treatment of films and coatings
10:15-11:00	Sophie Costil	Thermal spraying and hybrid processes: the use of laser technology
11:00-11:15	<i>Coffebreak</i>	
11:15-12:00	Gerd Paczkowski	Thermochemical post-treatment of thermal sprayed coatings on stainless steel substrates to increase tribological durability
12:00-12:45	Petri Vuoristo	Comparison of properties of coatings for high temperatures by advanced laser cladding and thermal spray technologies
12:45-13:30	<i>Lunch Break</i>	
13:30-14:00	Ondřej Soukup	Laser processing using high power diode lasers in heavy industry
14:30-14:45	Tomáš Křenek	Lasers in New Technologies Research Centre
14:45-15:00	Jiří Martan	Measurement of optical properties of coatings and surfaces
15:00-16:00	<i>Laboratory visit</i>	

