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  
Registration

9:30-9:45  
Lech Pawłowski  
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  
Coffeebreak

11:30-12:15  
Michael Lutz Berger  
Material aspects of thermal spraying of hardmetal compositions

12:15-13:00  
Giovanni Bollelli  
Tribology of metallic and hardmetal thermal spray coatings at high temperature

13:00-13:45  
Lunch break

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  
Coffeebreak

15:30-16:15  
Michaela Prantnerová  
HVOF coatings for power industry

17:00  
Pilsen Urquel Brewery visit

19:00  
Workshop dinner
**Wednesday 15th October**

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