

Workshop on thermal spray and laser clad coatings

COATINGS FOR HIGH TEMPERATURE APPLICATIONS

14-15 October, 2014, Plzeň, Czech Republic

Program

Thursday 14th October

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| 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 -8Y2O ₃ 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

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| 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> | |

