



Thermal spray in the age of additive technologies

2nd Announcement



3rd workshop on thermal spray coatings technologies and characterization

<https://tscoatings.vzuplzen.cz>

June 21 - 23, 2023
Plzeň, Czech Republic

Additive technologies are currently a popular and attractive method of manufacturing various types of components. The possibilities of innovative design, the use of new types of materials, or material and energy savings during production as the main benefits of using these technologies are often mentioned. In addition to the advantages, however, their application in real practice is accompanied by several problems and ambiguities, resulting, among other things, from the large spectrum of additive technologies and their specificities. Some of the thermal spraying technologies for additive manufacturing can also be used. Which and under what conditions they are is one of the questions to which the 3rd Plzeň workshop on thermal spray technologies will seek answers. Other topics will include the possibility of thermal spraying of unusual substrates or additively manufactured components and the potential of their application, the specifics of testing such components, the advanced technologies of substrates surface preparation or the prospective of cold spray technology in the field of additive manufacturing.

The workshop is intended

for managers of sophisticated productions, products development and design engineers, technologists, scientists, lecturers, and students interested in the field of additive manufacturing and surface engineering.

Language

English

Workshop fees

Basic	210 EUR / CZK 5 040
For ETSA members	180 EUR / CZK 4 320
For students	150 EUR / CZK 3060

For more information, please follow the links below:

Web: <https://tscoatings.vzuplzen.cz>

E-mail: tscoatings@vzuplzen.cz

Registration deadline: June 1, 2023



Speakers



Lech Pawłowski, Professor Emeritus, University of Limoges, FR

Sergi Dosta, University of Barcelona, ES

Jan Čížek, Institute of Plasma Physics, Prague, CZ

Markus Brotsack, Impact Innovation, GmbH, DE

Thomas Lindner, Chemnitz University of Technology, DE

Shrikant Joshi, University West, Trollhättan, SE

Leszek Łatka, Wrocław University of Science and Technology, PL

Giovanni Bolelli, University of Modena and Reggio Emilia, IT

Šárka Houdková, Research and Testing Institute Plzeň, CZ

Michael Lutz Berger, Fraunhofer Institute for Ceramic Technologies and Systems IKTS, Dresden, DE

Ivana Zetková, University of West Bohemia in Pilsen, CZ

Adam Niestony, Opole University of Technology, PL

Jiří Martan, University of West Bohemia in Pilsen, CZ

Udo Löeschner, Hochschule Mittweida, DE

Radek Mušálek, Institute of Plasma Physics, Prague, CZ

Lectures abstract can be found on the workshop websites:

<https://tscoatings.vzuplzen.cz/invited-lectures/>

Workshop partners:

Spolufinancováno
Evropskou unií



Preliminary program:

Wednesday, June 21

9:00-16:00 ETSA workshop
16:00-17:00 VZU thermal spray laboratory visit
19:00 Conference dinner

Thursday, June 22

9:00-16:00 ETSA workshop
Presentation of DePriSS project
Presentation of ADVENTURE project
16:00-17:00 UWB RTI/NTC department visit
19:00 Optional non-formal garden party

Friday, June 23

10:00-13:30 Optional visit of Institute of Plasma Physic, Czech Academy of Science in Prague
Laboratory tour at main research facility (RF-ICP spraying, analytical laboratories)
Laboratory tour at auxiliary facility (WSP-H, SPS, powder processing)

Poster presentation:

The poster presentation is possible within the workshop.

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Tento projekt je spolufinancován se státní podporou
Technologické agentury ČR z Programu EPSILON v rámci
výzvy ERA-NET cofundatu M-ERA.NET.
www.tacr.cz

