

Welcome

Welcome to the 2016 International Thermal Spray Conference and Exposition. ITSC is an opportunity for the global thermal spray community to meet, exchange information and conduct business.

This outstanding annual event in the world of thermal spray technology is jointly organized by the German Welding Society (DVS), ASM International's Thermal Spray Society (TSS) and International Institute of Welding (IIW).

The organizers are proud to be supported by their Chinese partners as Host Organizers of ITSC 2016: TSCC – Thermal Spray Committee of Chinese Surface Engineering Association and SICCAS – Shanghai Institute of Ceramics, Chinese Academy of Sciences.

Supporting Societies:



Photo: SICCAS, Shanghai/P. R. China

Call for Papers for Oral Presentations and Posters – Abstract Submission

Interested authors are invited to submit their abstracts. Please use the ITSC 2016 online service to submit your abstracts for oral and poster presentations: www.dvs-ev.de/itsc2016

Interested authors should submit their abstract (max. 200 words) in English **by September 25, 2015**.

All submitted abstracts will be reviewed and selected by the ITSC Program Committee.

All oral/poster manuscripts must be written in English and submitted electronically!

The manuscript deadline for all contributions will be: **February 12, 2016**.

Selected conference contributions (oral and poster) will be published in the conference proceedings which will be available at the conference.

ITSC Best Paper Awards

The ITSC Program Committee will select the ITSC Best Paper based on submitted manuscripts. Please note, authors can only be considered for the award, if they submit their manuscripts on time.

Subjects for Call for Papers

1. Applications

- 1.1 Automotive Industry
- 1.2 Aviation Industry
- 1.3 Power Generation - Steam
- 1.4 Power Generation - Wind
- 1.5 Power Generation - Fuel Cells & Solar
- 1.6 Power Generation - Hydro
- 1.7 Power Generation - Industrial Gas Turbines
- 1.8 Medical Industry
- 1.9 Off-Shore Technologies
- 1.10 Paper & Printing Industry
- 1.11 General Plant Engineering
- 1.12 Metals Processing
- 1.13 Maritim Industry

2. Properties

- 2.1 Properties Characterization & Testing Methods
- 2.2 Polymer Coatings
- 2.3 Ceramic Coatings
- 2.4 Metal Coatings
- 2.5 Corrosion Protection
- 2.6 Wear Protection
- 2.7 Tribological Coatings
- 2.8 Nanomaterial Coatings
- 2.9 Comparison Thermal Spraying vs. other Surfacing Technologies
- 2.10 Pre- & Post-Treatment

3. Equipment/Consumables

- 3.1 Process Diagnostics, Sensors & Controls
- 3.2 Industrial Automation & Robotics
- 3.3 Under Water Spraying
- 3.4 Powders, Wires, Suspensions
- 3.5 Gases

4. Thermal Spray Processes

- 4.1 Modeling & Simulation
- 4.2 New Processes
- 4.3 Arc Spraying & Laser Spraying
- 4.4 Flame Spraying
- 4.5 Plasma Spraying
- 4.6 Cold Gas Spraying
- 4.7 HVOF/HVAF Spraying
- 4.8 Suspension Spraying

5. Economic, Regulatory and other Business Issues

- 5.1 Economic Aspects
- 5.2 Guidelines & Standardization
- 5.3 QESH (Quality, Environment, Safety & Health)
- 5.4 Training & Qualification

6. Young Professionals

(Special Competition Session – Award and Recognition Program)



Photo: Oerlikon Metco AG, Wohlen/Schweiz

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Conference Location

Shanghai is the largest Chinese city by population and the largest city proper by population in the world. It is one of the four direct-controlled municipalities of the People's Republic of China, with a population of more than 24 million as of 2013. It is a global financial center, and a transport hub with the world's busiest container port. Located in the Yangtze River Delta in East China, Shanghai sits on the south edge of the mouth of the Yangtze in the middle portion of the Chinese coast. The municipality borders the provinces of Jiangsu and Zhejiang to the north, south and west, and is bounded to the east by the East China Sea.

Shanghai is a popular tourist destination renowned for its historical landmarks such as The Bund, City God Temple and Yu Garden as well as the extensive Lujiazui skyline and major museums including the Shanghai Museum and the China Art Museum. It has been described as the „showpiece“ of the booming economy of mainland China.

ITSC will take place in the Shanghai International Convention Center connected to the Oriental River Side Hotel. It is located at the heart of Lujiazui, the dynamic financial district of Shanghai, and is 20 kilometers from the airport. The Oriental Pearl TV Tower is also next to the Convention Center and Hotel. There is easy access to all parts of the city, especially to Shanghai downtown.

Come and enjoy countless wonderful experiences at ITSC in Shanghai!

Exposition

The three-day exposition is an integral part of ITSC 2016. If you are looking for new products and services, have questions or need answers, then ITSC 2016 is the right place for you.

ITSC exhibitors are experts who can offer visitors a wealth of problem-solving information and cost-saving opportunities.

You will find information about equipment for thermal spraying, research and specialist institutes, applied research, and the latest innovations conveniently located in one big forum.

The exposition will be held in the Shanghai International Convention Center, Mandarin and Century Hall.

The dates and hours for the exposition are planned as follows:

- Tuesday May 10, 2016 (from 12:30 to 17:00)
- Wednesday May 11, 2016 (from 9:00 to 17:00)
- Thursday May 12, 2016 (from 9:00 to 16:00)

ASM International's Thermal Spray Society is the exposition partner for ITSC 2016.

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ITSC Event Sponsoring – An excellent Opportunity for your Company Image

Are you interested in broadening your company's image and in supporting ITSC? We invite you to become a sponsor in 2016.

- Enhance your visibility during the conference
- Broaden your competitive edge
- Develop more meaningful relationships with both existing and potential customers
- Exclusive and traditional sponsorship available

To learn more about sponsorship opportunities and to discuss customizing a program to meet your specific needs, contact Simone Mahlstedt or Kelly Thomas.

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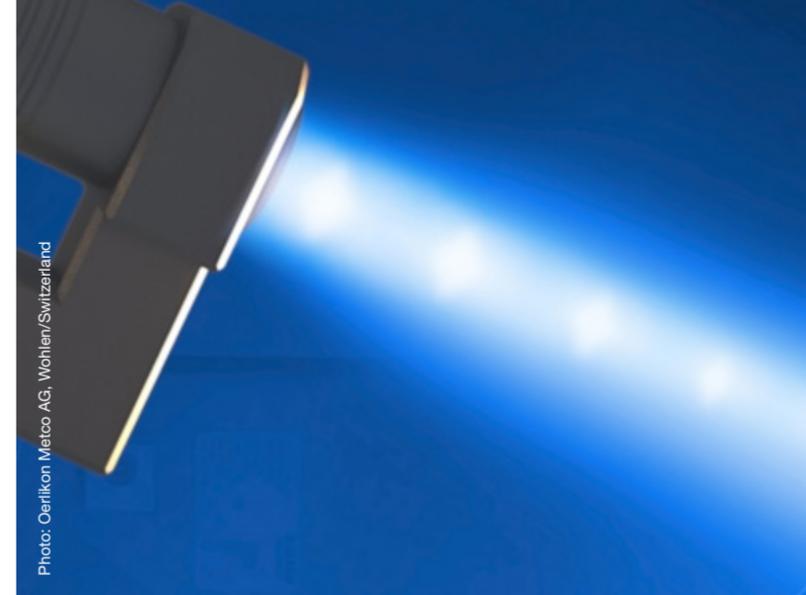


Photo: Oerlikon Metco AG, Wohlen/Switzerland

Call for Papers



Thermal Spray: Fostering a sustainable world for a better life!

May 10 – 12, 2016 Shanghai / P.R. China
Shanghai International Convention Center & Oriental Riverside Hotel

Organized by:



www.dvs-ev.de/itsc2016

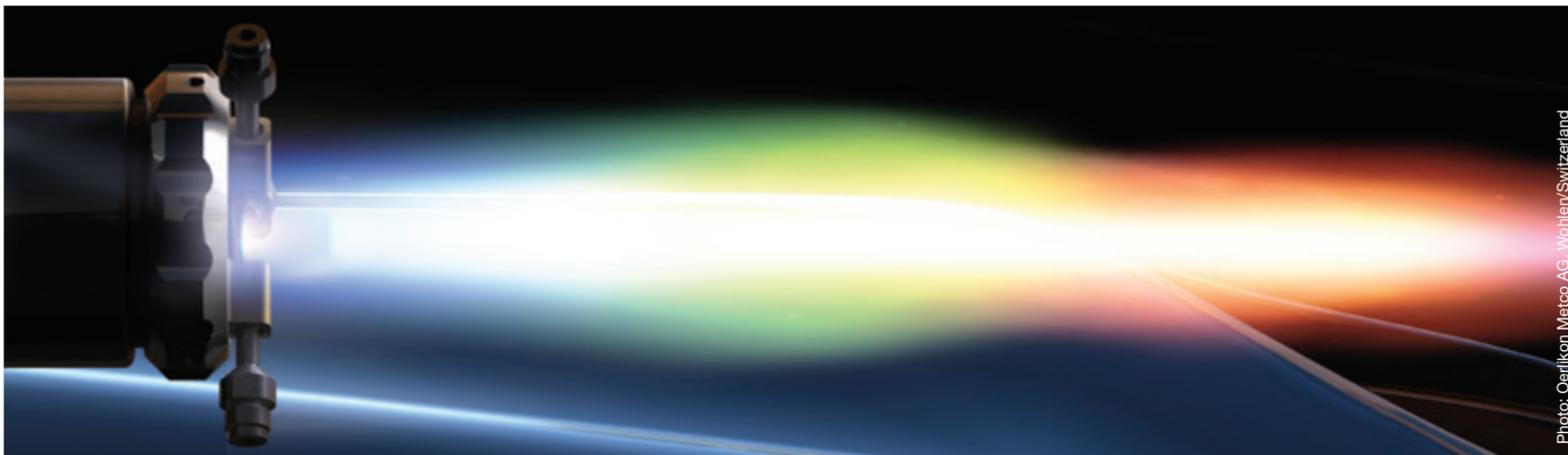


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