

SURFACE SOLUTIONS

Amazing Opportunities

Call for
Papers



ITSC2020

INTERNATIONAL THERMAL SPRAY
CONFERENCE AND EXPOSITION

WELCOME

Welcome to the 2020 International Thermal Spray Conference and Exposition which will be held in the Austria Center Vienna. ITSC is the opportunity for the global thermal spray community to meet, exchange information and conduct business.

In addition to **thermal spray, laser and plasma based cladding technologies** have also become more and more interesting for end users. Cladding also fulfills many requirement specifications in an excellent way.

ITSC 2020 will also feature the latest improvements in the field of **additive manufacturing** (AM). For that, thermal spray, as well as cladding technologies, offer magnificent technological basis for new AM applications.

One highlight of the technical program will be again the Session **"Young Professionals"**. ITSC 2020 is again supporting young talents becoming part of the worldwide thermal spray family.

The **"Industrial Forum"** is another characteristic of ITSC. This Forum will include practical demonstrations on industry related topics, products and solutions. This year the Industrial Forum will also offer advanced information regarding surface technologies and applications compared with TS-technologies.

Additionally another new ITSC highlight will be offered at ITSC 2020 for the first time. A **"Workshop"** will be held on the first day of the conference, which will cover the application of thermal spraying and its significance.

Last but not least the **"Three-day Exposition"** is a permanent part of the event. If you are looking for new products and services, have questions or need answers, then ITSC 2020 is the best place for you! The organizers and supporting partners look forward to welcoming you in Vienna, Austria!

Organizers



ORAL PRESENTATIONS AND POSTERS

Abstract Submission

Interested authors are invited to submit their abstracts. Please use the ITSC 2020 online service to submit your abstracts for oral and poster presentations: www.dvs-ev.de/itsc2020

Interested authors should **submit their abstract** (max. 200 words) in English by **September 30, 2019**.

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: **March 01, 2020**.

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 CALL FOR PAPERS

SURFACE SOLUTIONS with Amazing Opportunities

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 Maritime Industry
- 1.14 Electronics and Sensors

2. Properties

- 2.1 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 Surface Technologies

3. Equipment/Consumables

- 3.1 Process Diagnostics, Sensors & Controls



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- 3.2 Industrial Automation & Robotics
 - 3.3 Under Water Spraying
 - 3.4 Powders, Wires, Suspensions
 - 3.5 Gases

4. Thermal Spray and other Processes

- 4.1 Arc Spraying
- 4.2 Flame Spraying
- 4.3 Plasma Spraying
- 4.4 Cold Gas Spraying
- 4.5 HVOF/HVAF Spraying
- 4.6 Suspension Spraying
- 4.7 PTA – Plasma Transferred Arc
- 4.8 Laser Cladding
- 4.9 Additive Manufacturing
- 4.10 New Processes
- 4.11 Modeling and Simulation

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. Pre- & Post-Treatment

7. Young Professionals

(Special Competition Session – Award and Recognition Program)

Supporting Partners



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 2020.

- Enhance your visibility during the conference and exposition
- Broaden your competitive edge
- Strengthen and build relationships with both existing and potential customers
- Exclusive and traditional sponsorship available

Sponsoring opportunities online:

www.dvs-ev.de/itsc2020/sponsoring

If you want to discuss customizing a special program to meet your specific needs, contact Simone Weinreich:

simone.weinreich@dvs-hg.de

Media Sponsors



**INTERNATIONAL
Thermal Spray &
Surface Engineering**
THE OFFICIAL NEWSLETTER OF THE ASM THERMAL SPRAY SOCIETY



CONFERENCE LOCATION

Vienna is the federal capital and largest city of Austria, and one of the nine states of Austria. Vienna is Austria's primate city, with a population of about 1.9 million (2.6 million within the metropolitan area, nearly one third of Austria's population), and its cultural, economic, and political centre.

Vienna has a rich history as the capital city of the monarchy and thus abundant historical buildings and museums. The most of these, including Stephansdom (St. Stephen's Cathedral) and the two most well-known museums, Kunsthistorisches Museum (Museum of Fine Arts) and Albertina, are located in the "Innere Stadt". The Ring Road is a circular road surrounding the Innere Stadt district of **Vienna** and is one of its main sights. Its architecture is typical of the eclectic, historicist style called Ring Road Style of the 1860s to 1890s. Built in the style of the Renaissance according to plans by Heinrich von Ferstel, the MAK- Austrian Museum of Applied Arts / Contemporary Art is the first museum building on the Ringstraße. The Schloss Schönbrunn palace, a part of the UNESCO World heritage list, is located in the Outer West district.

Baroque streetscapes and imperial palaces set the stage for **Vienna's** artistic and musical masterpieces. Coffee-house culture and vibrant epicurean and design scenes are shown all over the city.

Come and enjoy countless experiences at ITSC 2020 in Vienna!



EXPOSITION

The **three-day exposition** is an integral part of ITSC 2020. The ITSC expo is the world's largest gathering of thermal spray equipment suppliers, consumable and accessory suppliers, vendors and service providers. If you are looking for new products and services, have questions or need answers, then ITSC 2020 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 can find information about equipment for thermal spraying, for surface solutions and additive manufacturing focused on 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 Austria Center Vienna, Hall X.

Opening hours (planned):

Wednesday, June 10, 2020	from 12:00 to 18:00
Thursday, June 11, 2020	from 09:00 to 18:00
Friday, June 12, 2020	from 09:00 to 16:00

ASM International is the exposition partner for ITSC 2020.

CONFERENCE COMMITTEE

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