

## 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 2024.

- 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/itsc2024/sponsoring](http://www.dvs-ev.de/itsc2024/sponsoring)

If you want to discuss customizing a special program to meet your specific needs, contact Sabrina Tank

[sabrina.tank@dvs-media.info](mailto:sabrina.tank@dvs-media.info)

### Media Sponsors



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

## CONFERENCE LOCATION

„Benvenuti a Milano!“ will be the motto for the ITSC - International Thermal Spray Conference and Exposition in 2024. The capital of Lombardy and, at the same time, the second-largest city in Italy will extend a warm welcome to the expert world of thermal surface treatment and will have plenty to offer outside the conference and the exposition too.

Financial world and football, fashion and metal processing, historic architecture and modern design meet up here, in Italy's most important industrial and trading location - and the Milan Cathedral is situated right in the middle of it, at the centre of the old town. It is one of the largest churches in the world and is regarded as a landmark of the city. A visit to the imposing church and a look at the breathtaking facade are therefore an imperative part of any trip to Milan!

In the immediate vicinity of it, the luxurious Galleria Vittorio Emanuele II invites people to pay a visit. It is regarded as the oldest shopping centre in the world. In addition to impressive architecture, it today offers, above all, flagship stores of the most significant international designers as well as restaurants and bars for a culinary experience „alla Milanese“. In the floor of the octagonal space underneath the glass dome of the Galleria, mosaics replicate the coats of arms of the cities of Milan, Turin, Florence and Rome. Apparently, it brings good luck if you rotate around your own axis once on your left heel on Turin's bull ...

Another attraction of the city is located in the Santa Maria delle Grazie convent, a UNESCO World Heritage Site for over 40 years, because the church accommodates Leonardo da Vinci's world-famous mural entitled „The Last Supper“.

This is just a small preview of the impressive sights which Milan has to offer you. We would be happy if you were to explore the city and, in particular, to take part in the joint „Social Event Evening“ at which we would also like to create lasting memories on April 30!

## EXPOSITION

The **three-day exposition** is an integral part of ITSC 2024. 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 2024 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 MiCo, Hall B in the North Wing.

### Opening hours (planned):

Monday,	April 29, 2024	from 12:00 to 18:00
Tuesday,	April 30, 2024	from 09:00 to 18:00
Wednesday,	May 1, 2024	from 09:00 to 16:00

**ASM International is the exposition partner for ITSC 2024.**

## CONFERENCE COMMITTEE

### General Chairs

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R. Lima, National Research Council (CA)

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### ASM/TSS Representatives

N. Curry, Thermal Spray Innovations (AT)

S. Fowler-Hutchinson, Saint Gobain (US)

E. Irissou, National Research Council (CA)

C. Kay, Hannecard Roller Coatings, Inc. (US)

H. Koivuluoto, Tampere University of Technology (FI)

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K. Laul, Delta Airlines (US)

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A. McDonald, University of Alberta (CA)

C. Moreau, Concordia University (CA)

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K. Shinoda, National Institute of Advanced Industrial Science and Technology (JP)

K. Sridharan, University of Wisconsin (US)

A. Vackel, Sandia National Laboratories (US)

J. Veilleux, Universite de Sherbrooke (CA)

J. Villafuerte, Centerline (CA)

## ADVANCING THERMAL SPRAY TECHNOLOGY:

Innovations, Applications and Sustainability



Call for Papers

**ITSC2024**  
 INTERNATIONAL THERMAL SPRAY  
 CONFERENCE AND EXPOSITION

## WELCOME

Current planning expects the ITSC to take place in Milan from **April 29 to May 1, 2024**. Parallel to the ITSC conference – various event formats will be presented in order to inspire visitors from other sectors for the fascinating surface technology. For more than 20 years, the ITSC has established itself as the world's leading event for users, service providers and manufacturers. It is organized by DVS – German Welding Society in cooperation with the ASM International Association and the International Institute of Welding (IIW).

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.

Functional layer systems with electrically conductive and electrically insulating properties as well as layer systems with catalytic properties are becoming increasingly important as a result of new applications. **ITSC 2024** provides an overview of these coating systems, which are not least driven by the energy and mobility transition.

ITSC 2024 will also feature the latest improvements in the field of **additive manufacturing** (AM). For that, thermal spray, as well as cladding technologies, offer a magnificent technological basis for new AM applications.

One highlight of the technical program will be again the Session **“Young Professionals”**. ITSC 2024 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.

Additionally another new ITSC highlight, which was held first time in 2022, will be offered at ITSC 2024. A Forum **“Thermal Spray in a Nut Shell”** 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 2024 is the best place for you! The organizers and supporting partners look forward to welcoming you in Milan, Italy!

## ORAL PRESENTATIONS AND POSTERS

### Abstract Submission

Interested authors are invited to submit their abstracts. Please use the ITSC 2024 online service to submit your abstracts for oral and poster presentations: [www.dvs-ev.de/itsc2024](http://www.dvs-ev.de/itsc2024)

Interested authors should submit their **abstract** (max. 200 words) in English by **September 11, 2023**.

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 7, 2024**.

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
- 1.4 Power Storage
- 1.5 Medical Industry
- 1.6 Maritime Industry & Off-Shore Technologies
- 1.7 Paper & Printing Industry
- 1.8 General Plant Engineering
- 1.9 Metals Processing
- 1.10 Electronics and Sensors
- 1.11 Gas & Fuel Industry
- 1.12 Further applications

#### 2. Properties and Materials

- 2.1 Polymer Coatings
- 2.2 Ceramic Coatings
- 2.3 Metal Coatings
- 2.4 Corrosion Protection
- 2.5 Tribological Coatings
- 2.6 Isolating Coatings
- 2.7 Nanomaterial Coatings
- 2.8 Functional Coatings

#### 3. Equipment/Consumables

- 3.1 Process Diagnostics, Sensors & Controls
- 3.2 Characterization & Testing Methods
- 3.3 Industrial Automation & Robotics
- 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
- 4.12 Data Driven Models and Artificial Intelligence
- 4.13 Pre- & Post-Treatment

#### 5. Economic, Regulatory and other Business Issues

- 5.1 Economic Aspects
- 5.2 Guidelines & Standardization
- 5.3 Training & Qualification
- 5.4 Repair & Recycling

#### 6. Young Professionals

(Special Competition Session – Award and Recognition Program)

#### Organizers



#### Supporting Partners



## CONTACTS FOR ITSC 2024

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### Exposition Partner

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### Venue

Allianz MiCo • Milano Convention Centre  
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Italy

[www.dvs-ev.de/itsc2024](http://www.dvs-ev.de/itsc2024)

