



ITSC2023

INTERNATIONAL THERMAL SPRAY
CONFERENCE AND EXPOSITION

NEXT-GENERATION THERMAL SPRAYING FOR FUTURE SURFACES
MAY 22-25, 2023 | QUEBEC CITY, CANADA

CALL FOR PAPERS
SUBMIT YOUR ABSTRACT TODAY!

ABSTRACT SUBMISSION DEADLINE: SEPTEMBER 25, 2022

ORGANIZED BY:



itscevent.org





CALLING ALL AUTHORS

The International Thermal Spray Conference (ITSC) is the premier event for thermal spray professionals, attracting global innovators, influencers and decision makers from around the world.

Plan today to join your colleagues from industry, academia, and government. Quebec City will be the perfect destination to mix ITSC business with pleasure. Be sure to add a little extra time to explore this treasured UNESCO world heritage site, which is walkable and safe. Stroll the cobblestone streets of the only fortified city north of Mexico and explore its gorgeous outdoors nearby.

ITSC will feature:

- Information-packed technical sessions, with more than 300 oral and poster presentations on cutting edge topics.
- A diverse exposition, with more than 75 companies and organizations showcasing state-of-the-art products and services.
- An Industrial Forum in the Exhibit Hall, including practical demonstrations on industry-related topics, products, and solutions.
- A Young Professionals Session, an annual competition-based award and recognition program designed to expose students and young professionals to the global thermal spray community.
- Dedicated networking time, allowing you to mix and mingle with exhibitors and fellow conference attendees.
- And much more!

ITSC WILL HIGHLIGHT NEW TOPICS AND DISCUSSIONS RELATED TO THE THEME:

“Next-Generation Thermal Spraying for Future Surfaces”

Now accepting papers for the technical program of ITSC 2023. Don't miss this opportunity to showcase your research and innovate with your peers in the thermal spray industry. Your participation will help us ensure we are offering the “best-of-the-best” on the latest topics and market trends. Authors interested in participating should submit original, previously unpublished abstracts of 100-150 words (in English) via our online abstract service.

The ITSC Organizing Committee is encouraging abstract submissions in the following symposiums:

Aerospace and Industrial Gas Turbines (IGTs)

Symposia Co-Chairs: Nicholas Curry, Komal Laul, and Rogerio Lima

- Thermal Barrier Coatings (TBCs) – APS, SPS, SPPS, & bond-coats
- Environmental Barrier Coatings (EBCs) – APS, SPS, & SPPS
- Abradable Coatings – Metallic and Ceramic
- Landing Gear Coatings
- Aircraft and Engine Structural Components Coatings

Fundamentals/R&D

Symposia Co-Chairs: Hanqing Che, John Koppes, and Kentaro Shinoda

- Characterization and New Evaluation Techniques
- Cold Sprayed Metals, Polymers, Ceramics, and Metal Matrix Composite Coatings
- Cold Spray Process Fundamentals, Simulation, and Particle Impact
- Novel Coatings – High Entropy Alloys, Nanomaterials, etc.
- Novel Processes – Hybrid Manufacturing, Laser Processing, Additive Manufacturing and Repair
- AI, Machine Learning, Materials and Process Informatics, Modeling and Simulations, LCAs
- Coatings for Carbon Neutrality and Environmental Impact
- Powder Tailoring and New Powder Materials Development

Thermal Spray Applications

Symposia Co-Chairs: Eric Irissou, Heli Koivuluoto, and Jocelyn Veilleux

- Automotive
- Biomedical
- Cold Spray and Cold Spray Additive Manufacturing
- Environmental
- Equipment, Consumables, and Economics
- Marine
- Mining
- Novel Thermal Spray Applications and Processes
- Oil and Gas
- Railways
- Renewable Energies and Storage

Young Professionals Session/Competition

- ITSC will consider student abstract submissions based on the topics within the three symposia areas for 2023. Students in their graduate years at their university, having completed an aspect of thermal spray research, are eligible to participate.

When submitting your abstract, please select the topic area that best matches your research. Accepted submissions will be grouped with similar or complementary topics.

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BE A PART OF THE CHANGE AND HELP SHAPE THE FUTURE OF YOUR INDUSTRY

Visit itscevent.org for more information or to submit your paper for consideration.



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ADDITIONAL IMPORTANT DEADLINES:

Abstract Submission Deadline:
September 25, 2022

Young Professionals Submission Deadline:
January 25, 2023

First Draft of Manuscript Due:
January 15, 2023

Editor Feedback to Authors:
February 15, 2023

Final Manuscripts Due:
February 25, 2023

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