

ATSC 2025

14th Asian Thermal Spray Conference & Expo
November 17-19, 2025 / BPEX, Busan, Korea

Important Dates

Abstract Submission Deadline	August 30, 2025
Notification of Acceptance	September 15, 2025
Manuscript Submission Deadline (Not mandatory)	September 30, 2025
Early Registration Deadline	October 15, 2025

Introduction

The Asian Thermal Spray Conference (ATSC) is the foremost biennial event in the Asia-Pacific region, dedicated to the science, technology, and application of thermal spray coatings. Since its inception, ATSC has served as a vital platform for idea exchange, innovation promotion, and collaboration among academic researchers, industrial engineers, manufacturers, and end users across countries including Japan, Korea, China, Singapore, India, Australia, and beyond.

In 2025, ATSC proudly celebrates its 20th Anniversary, marking two decades of leadership in thermal spray science and engineering. This commemorative edition "ATSC 2025" will be hosted in the dynamic port city of Busan, Korea, from November 17 to 19, 2025, at the Busan Port Exhibition & Convention Center (BPEX).

ATSC 2025 will spotlight the latest advances in;

- Coating materials development
- Advanced spray processes and diagnostics
- Functional coatings for aerospace, energy, biomedical, and more

The conference offers a vibrant venue to engage with;

- Academic and research leaders
- Industry experts and service providers
- Equipment and feedstock manufacturers
- Policymakers and early-career professionals

Highlights of ATSC 2025 include;

- Plenary and Keynote Lectures from world-renowned experts
- A dedicated Industrial Exhibition featuring the latest technologies
- Poster sessions, Student Best Paper Awards, and Technical Workshops
- Ample networking and cultural engagement opportunities

Previous ATSC events held across Asia Pacific including Japan, Korea, China, Singapore, India, and Australia—have garnered global acclaim for their academic rigor and industrial relevance. The 14th ATSC in Busan will build on this legacy, combining Korea's excellence in materials science with its renowned hospitality and rich cultural heritage. We cordially invite you to join this landmark edition of ATSC and celebrate two decades of innovation and collaboration in the field of thermal spray. See you in Busan!

Conference Topics

Participants are invited to submit papers related (but not limited) to the following topics:

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| Topic I | Cold Spray / Kinetic Spray | Topic IX | Repair and Refurbishment |
| Topic II | Solution and Suspension-based Spray Processes | Topic X | Thermal Spray Process Modelling & Simulation |
| Topic III | Thermal Barrier Coatings (TBCs) | Topic XI | Environmental and Occupational Safety |
| Topic IV | Wear and Corrosion Protection | Topic XII | Novel Applications and Product Development |
| Topic V | Hybrid Spray Processes | Topic XIII | Metallization of Polymers and Ceramics |
| Topic VI | Advanced Characterization of Coatings | Topic XIV | Processing–Structure–Property Correlations |
| Topic VII | Biomedical Applications | Topic XV | Advanced Material Systems |
| Topic VIII | Process Control and Diagnostics | | |

Call for Papers

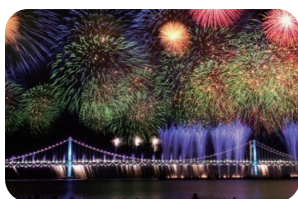
Authors are invited to submit abstracts of 150–200 words in English by August 15, 2025. Abstracts should clearly state the objectives, methods, results, and significance of the work. Submissions must be in Microsoft Word or PDF format. A sample abstract (a template) is provided at the official website of the conference.

Accepted abstracts will be invited for submission of a two-page extended abstract (Manuscript), which will be included in the conference proceedings. Selected papers may be recommended for publication in a Special Issue of the Journal of Thermal Spray Technology (JTST) after undergoing the journal's standard peer review process.

Hosting City 'Busan'

International Prestige Tourism City! Dyamic Busan, Hub of Asia!

Busan is located on the southeastern tip of the Korean peninsula. The natural environment of Busan is a perfect example of harmony between mountains, rivers and sea. Its geography includes a coastline with superb beaches and scenic cliffs, mountains which provide excellent hiking and extraordinary views, and hot springs scattered throughout the city. The city's natural endowments and rich history have resulted in Busan's increasing reputation as a world class city of tourism and culture, and it is also becoming renowned as an international convention destination.



Registration Information

All conference participants are strongly recommended to register online at the official website. Participants who complete the early bird registration process will benefit from lower costs.

	Early Bird	On-site
Member* Regular	USD 400	USD 500
Non member Regular	USD 450	
Student	USD 250	USD 300

* Members of Korea Thermal Spray Association

Registration fee includes;

- Full access to technical sessions
- Conference kit and printed program
- Lunches and coffee breaks
- Welcome party and Banquet dinner

Exhibition

Information about the exhibition will be available on the website.