

# WAM 2024

3. International Hybrid Conference and Exhibition

ADVANCES IN WELDING AND METAL ADDITIVE  
MANUFACTURING TECHNOLOGIES



21-22 November 2024  
Istanbul Marriott Hotel Arslan

## **TOPICS:**

- Advanced arc welding technologies including twin-arc and tandem processes
- Laser beam and hybrid welding technologies & applications
- Wire-feed or powder electron beam welding
- Flux cored wire and seamless flux cored wire technologies and their use
- All metal alloys welding, testing and analysis of their welds
- Industrial applications, inspections and tests
- Surface modification of additive manufacturing parts
- High strength and armoured steel welds, their properties (incl. ballistic properties)
- Underwater and wet welding technologies and their consumables
- Design and simulation aspects of the metal additive manufacturing (MAM) materials
- Testing of MAM materials, distortion prevention and residual stresses of MAM parts
- Fatigue and fracture toughness aspects of MAM and bi-metallic WAAM parts
- Programming and software developments in robotic MAM & WAAM applications
- Predictive theoretical and computational approaches for additive manufacturing
- Testing, NDT methods and defect assessment of MAM & WAAM parts
- Developments on Education-Training-Certification of welding and MAM & WAAM personnel

## **CONFERENCE PROCEEDINGS AND PUBLICATIONS**

- All presented papers will be published in a WAM 2024 Proceedings in digital form.
- Selected papers will be published as a “WAM 2024 Special Issue” of the Journal of the IIW “Welding in the World” after peer review process.
- Manuscripts of max. 15 pages (A4) will be requested before 01 Nov. 2024.