

ISM-AVSS 2026

Intelligent Surveillance and Monitoring Systems AI
Across Distributed and Multimodal Environments

Workshop @ AVSS '26

22nd International Conference
on Advanced Visual and Signal-Based Systems

Aug 31, Sept 1-2-3 2026
Lecce, Italy

Recent advances in artificial intelligence, embedded processing, and networked sensing are transforming surveillance and monitoring systems. Modern applications operate across heterogeneous environments — urban, industrial, environmental, aerial, and maritime — requiring robust perception, real-time decision-making, and seamless coordination.

This workshop brings together researchers and practitioners working on AI-driven systems, with a focus on multimodal sensing, edge intelligence, scalable architectures, and real-world deployment.

Main Topics

- Distributed AI Surveillance
- Edge Intelligence
- Multimodal Fusion
- TinyML & Efficient AI
- Anomaly Detection
- Multi-agent Systems
- Localization & Mapping
- Secure AI
- Explainable AI

The topics above highlight the main focus of the workshop; submissions on related topics are also welcome and will be evaluated by the reviewers.

Call for Papers

We invite submissions on AI-driven surveillance and monitoring systems, including theory, methods, and real-world applications.

Important Dates

Submission deadline: May 20, 2026

Notification: June 10, 2026

Camera-ready: July 1, 2026



Workshop website

<https://marconlab.deib.polimi.it/ISM-AVSS/>



**INTELLIGENT SURVEILLANCE
& MONITORING SYSTEMS**
AI ACROSS DISTRIBUTED & MULTIMODAL ENVIRONMENTS
ISM-AVSS

