

WORKSHOP

The Future of *Airport Perimeter Protection* – LiDAR Sensor Fusion & 3D Surveillance



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As airports face increasing demands for safety, operational continuity, and resilience against evolving security threats, traditional perimeter protection systems are reaching their limits. This workshop explores the next generation of intelligent airport security based on the fusion of LiDAR and camera technologies. By combining the precise 3D spatial awareness of LiDAR with the rich contextual information provided by visual imaging, sensor fusion enables highly reliable detection, classification, and tracking of intrusions while significantly reducing false alarms caused by wildlife, weather, or environmental factors.

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