

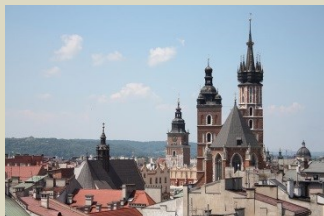


10th IEEE International Conference on Advanced Video and Signal-Based Surveillance

August 27-30, 2013 Kraków, Poland



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CALL FOR PARTICIPATION

AVSS is the premier annual international conference in the field of video and signal-based surveillance that brings together experts from academia, industry, and government to advance theories, methods, systems, and applications related to surveillance. AVSS is sponsored by the IEEE and, in particular, by its two societies, the Signal Processing Society (IVMSP TC) and the IEEE Computer Society (PAMI TC).

AVSS will celebrate its 10th anniversary in Kraków with a focus on underlying theory, methods, systems, and applications in the following areas:

- **Sensor-Centric Processing**
 - Sensors (visible/infrared/3D/mm-wave/audio/radio, etc.)
 - Ground, airborne, satellite based (fixed/mobile/UAV)
 - Crowdsourcing (cellular, social networks)
 - Calibration and positioning (GPS, etc.)
 - Communications and networked sensing
- **Data Management & Human-Computer Interaction**
 - Compression and summarization
 - Archival, search and retrieval
 - Human-computer interfaces
 - Visualization algorithms
 - Mobile and distributed interaction
- **Security and Privacy**
 - Data authenticity
 - Privacy in surveillance
 - Forensics
 - Biometrics (standoff, multi-modal, voice, etc.)
 - Cybersecurity for surveillance (wireless, network, computer)
- **Processing, Detection, Tracking & Recognition**
 - Modeling and feature selection
 - Detection and estimation (change, motion, anomaly, saliency, pattern)
 - Data association and (multi) target tracking
 - Classification and recognition
 - Multi-modal fusion
- **Analytics, Situation Awareness & Decision Making**
 - Activity/interaction analysis and monitoring
 - Intention estimation and situation awareness
 - Crowdsourcing-based methods
 - Cognitive dynamic systems and bio-inspired methods
- **Surveillance Systems and Applications**
 - Hardware and software architectures
 - Research prototypes
 - Simulators
 - Civilian, industrial, and military
 - Transportation (road, rail, air, maritime)
 - Performance evaluation

Plenary lectures:

- **"Video Synopsis" - Prof. Shmuel Peleg**
The Hebrew University of Jerusalem, Israel
- **"Visual Scene Understanding - It's Time to Address it Again" - Prof. Bernt Schiele**
Director, Max Planck Institute for Informatics, Germany
- **"On Gait and Soft Biometrics for Surveillance" - Prof. Mark Nixon**
University of Southampton, United Kingdom

Workshops: Three workshops will take place on Aug. 27 prior to the technical program of the conference:

- Low-Resolution Face Analysis (LRFA) 2013
- Activity Monitoring by Multiple Distributed Sensing (AMMDS) 2013
- Vehicle Retrieval in Surveillance (VRS) 2013

Social events: Two social events have been planned for attendees: the welcome reception on Aug. 27 in the Old City's Main Square underground, and the conference banquet on Aug. 29 at the historic "Wieliczka" Salt Mine, featured on the 1978 UNESCO World Heritage List.

About Kraków: The royal capital of Poland until late 16th century, today Kraków is home to a quarter of country's museum resources. Visiting Kraków amounts to an encounter with the most splendid time in Polish history. Its Old City, where AVSS will be held, the Wawel Hill and the district of Kazimierz were all entered into the 1978 UNESCO World Heritage List. Beyond history, Kraków offers scenic walks, lots of artistic and cultural events, and rich gastronomy. Located in the heart of Central Europe, Kraków is easily accessible by air, rail and roadway.