AVSS 2013
KRAKÓW

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

August 27-30, 2013   Kraków, Poland

WWW.AVSS2013.ORG

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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 in 2013. It has been steadily growing in both stature and attendance, from about 70 attendees in 1998 (Genova, Italy) to 125 in 2010 (Boston, USA) and 140 in 2011 (Klagenfurt, Austria). A strong attendance is expected in Kraków in 2013.

AVSS focuses on underlying theory, methods, systems, and applications of surveillance and invites submissions in areas listed below, especially cross-disciplinary and game-changing ones. The list of topics of interest includes, but is not limited to:

- **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

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.

Paper Submission: Prospective authors are invited to submit full-length papers, up to 6 pages long, by March 18, 2013. Detailed submission instructions will be posted on the conference website at www.avss2013.org in due time. Each submission will be double-blind peer-reviewed by at least two experts. The conference proceedings will be published in IEEE Xplore digital library.

Call for Workshops: AVSS-2013 will host workshops on August 27, 2013 prior to the technical program of the conference. Prospective organizers are invited to submit workshop proposals by February 18, 2013. Please visit the conference website at www.avss2013.org for additional information.

Important dates:

Workshop proposals:	February 18, 2013
Paper submission:	March 18, 2013
Paper acceptance:	May 20, 2013
Camera ready:	June 17, 2013
Early registration:	June 17, 2013

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IEEE Signal Processing Society

IEEE computer society