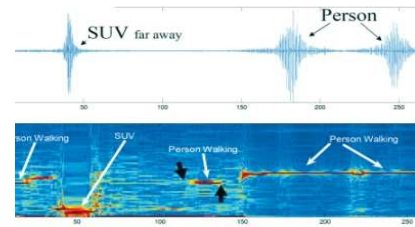


## Applied Imagery Pattern Recognition 2010 Call for Papers



## AIPR 2010: From Sensors to Sense

Cosmos Club, Washington DC  
October 13-15, 2010

Many pattern recognition applications are developed with little feedback or knowledge of the sensor providing the input image. Sensors are often designed with little consideration for the computer algorithm that must process the information provided by the sensor. The interaction between Sensors and image processing algorithms (Sense) must be better understood if computer vision is to become as robust as human vision. The AIPR-2010 executive committee invites papers in the following topic areas:

- Sensor front end processing for any sensor(s) that produces an image or multiple images
- Sensor-aware Image Analysis Algorithms and Methods
- Biologically-inspired sensor technology, such as new hardware motivated by biological principles
- Synergy between humans and computers: Systems or techniques which exhibit a joint process where the human and machine sensors and computer vision algorithms each contribute to the overall solution
- Performance evaluation: Evaluation of imagery and pattern recognition systems, including assessments of machine assistance to a user
- Fundamental discoveries in sensor systems that motivate new approaches to computer vision algorithms
- Sensing and analysis of color, motion, and three-dimensional information
- The development and implementation of reference standards for sensor data to knowledge
- Historical or retrospective papers

Areas of interest include, but are not limited to, development of new theory and methods, theoretical advances in image processing and pattern recognition, performance analysis and benchmarking, and applications of image processing and pattern recognition to medical imaging and life science, earth science, automated target recognition (ATR), target tracking, biometrics, law enforcement and homeland security applications, forensic analysis, behavior recognition and analysis, mapping and geospatial information, and film preservation and restoration.

The Applied Imagery Pattern Recognition Workshop promotes and encourages the interdisciplinary interchange of ideas. The purpose of the annual AIPR workshops is to bring together researchers from government, industry, and academia in an elegant setting conducive to technical interchange across a broad range of disciplines.

**Abstracts are being accepted now for both oral and poster presentations. Abstract submission deadline is extended to 1 July 2010. Send abstracts (150 - 300 words) and inquiries to:**

Elmer (Al) Williams  
Integrated Design Services  
The Pennsylvania State University  
149 Hammond Building  
University Park, Pa 16802

Phone: 814-863-3854  
Fax: 814-865-6663  
program@aipr-workshop.org

Written papers will be required for accepted works and will be published in the AIPR Proceedings. The AIPR Home Page can be found at <http://www.aipr-workshop.org/>.

Students: \$100 will be awarded to the best student paper as judged by the organizing committee!

*AIPR is sponsored by the IEEE Computer Society Technical Committee on Pattern Analysis and Machine Intelligence, IEEE, Cybernet, and the AIPR Executive Committee.*