

## **CALL FOR PAPERS**

Special session on

# **Image Fusion and Video Fusion Assessment**

**The 10<sup>th</sup> International Conference on Information Fusion  
Québec, Canada, 9 – 12 July 2007**

### Session Chairs

Dr. Alexander Toet  
TNO Defense, Safety and Security  
Soesterberg, The Netherlands  
e-mail: lex.toet@tno.nl

Dr. Stavri Nikolov  
Dept. of Electrical and Electronic Engineering  
University of Bristol, UK  
e-mail: stavri.nikolov@bristol.ac.uk

### **Scope**

The focus of this session will be on methodologies and tools used to assess the information content or quality of fused imagery and the performance of image fusion and video fusion systems.

Authors are invited to submit papers describing advances and applications in any aspect of methods and techniques that may be used to evaluate image fusion.

**Topics of interest** include (but are not limited to) the following subjects:

### **Subjective image and video quality evaluation and modeling**

- psychophysics
- psychometric scaling and modeling
- measures of task performance
- measures of situational awareness
- preference measurement and modeling
- subjective measurement for vision based modeling evaluation

## **System performance, measurement, and modeling**

- target detection/identification/recognition performance measures
- statistical image and video quality metrics
- feature based (structural) image and video quality metrics
- image noise analysis and error propagation
- image/video compression and its effect on fusion
- feature integration and interaction
- spatio-temporal video fusion metrics

## **Correlation between subjective evaluation and system performance**

Prospective authors are invited to submit by e-mail a 200 word abstract in pdf, ps, or doc format by 10 December 2006 to one of the session chairs.

The abstract should include:

- Title of the paper
- Name, affiliation, and E-mail address for each author
- The name of the author who will be presenting the paper (if accepted)
- A maximum of 5 keywords

All special session papers will undergo the same review process as regular papers.

## **General Information**

The 10<sup>th</sup> International Conference on Information Fusion will be held in Québec City, Québec, Canada. The conference venue is the Hotel Loews Le Concorde. For detailed information see the conference web site ([www.fusion2007.org](http://www.fusion2007.org)).

## **Important dates**

Abstract submission	10 December 2006
Regular paper submission	15 February 2007
Notification of acceptance	1 April 2007
Early registration	1 May 2007
Final paper submission	15 May 2007