

CALL FOR PAPERS

Special session on

Image Fusion Assessment

**The 9th International Conference on Information Fusion
Florence, Italy, 10 – 13 July 2006**

Session Chairs

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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 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 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 quality metrics
- feature based (structural) image quality metrics
- image noise analysis and error propagation
- image compression and its effect on image fusion
- feature integration and interaction

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 14 November 2005 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 9th International Conference on Information Fusion will be held in Florence, Italy, at the Convitto della Calza Convention Centre. For more detailed information see the conference website at <http://www.fusion2006.org>.

Important dates

Abstract submission	14 November 2005
Regular paper submission	15 January 2006
Acceptance of papers	01 April 2006
Final papers	15 May 2006
Early registration	01 June 2006