



INSTITUTO  
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# WIAMIS 2004

## 5<sup>th</sup> International Workshop on Image Analysis for Multimedia Interactive Services

April 21-23, 2004, Lisboa, Portugal

# Call for Papers



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The International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS) is one of the main international fora for the presentation and discussion of the latest technological advances in interactive multimedia services. The workshop brings together researchers and developers from academia and industry working in all areas of image, video and audio applications, with a special focus on analysis. After Louvain'97, Berlin'99, Tampere'01 and London'03, WIAMIS, from now on held annually, will be organized in 2004 by Instituto Superior Técnico, in the city of Lisbon, Portugal.

### Topics

Topics of interest include, but are not limited to:

- *Multimedia content analysis and understanding*
- *Content generation and manipulation*
- *Content-based browsing, indexing and retrieval of images, video and audio*
- *2D/3D feature extraction*
- *Advanced descriptors and similarity metrics for audio and video*
- *Relevance feedback and learning systems*
- *Supervised and unsupervised segmentation of objects in 2D/3D image sequences*
- *Identification and tracking of regions in scenes*
- *Voice/audio assisted video segmentation*
- *Analysis for coding efficiency and increased error resilience*
- *Analysis and understanding tools for content adaptation*
- *Multimedia content adaptation tools, transcoding and transmoding*
- *Content summarization and personalization strategies*
- *Data hiding and copyright protection of multimedia content*
- *Semantic mapping and ontologies*
- *Objective and subjective performance evaluation*
- *Multimedia analysis for advanced applications*
- *Multimedia analysis for surveillance, broadcasting, mobile/wireless environments and the Internet*
- *Multimedia analysis hardware and middleware*

### Invited Speakers

**Tsuhuan Chen:** *Advances on Facial Recognition*

**Ton Kalker:** *Image and Video Analysis for Content Management and Protection*

**Jens Raimer-Ohm:** *Wavelet Video Coding*

### Panels

**Moncef Gabbouj:** *Segmentation and Indexing*

**Joern Ostermann:** *Facial Analysis*  
**Touradj Ebrahimi:** *Image and Video Analysis: Trends and Challenges*

### Paper Submission

Extended summaries should be submitted using the template and the on-line submission system specified at <http://amalia.img.lx.it.pt/wiamis2004/>.

November 28, 2003

January 23, 2004

February 13, 2004

Submission of extended abstract

Notification of acceptance

Submission of camera ready paper

Accepted papers will be published in the Workshop CD Proceedings.

The best Workshop papers will be selected for publication in a WIAMIS'2004 special issue of the IEE Proceedings on Vision, Image and Signal Processing. Moreover relevant papers will be invited to submit to a special issue of IEEE Transactions on Circuits and Systems for Video Technology on the topic of "Analysis and Understanding for Video Adaptation".