{besps}Home/slides|ctrls=0|width=250|height=200|align=3{/besps}

The goal of the workshop is to explore recent theoretical advances and emerging practical applications of visual information processing, with particular emphasis on algorithms inspired by the human visual system. The ethos of the workshop is to encourage and facilitate constructive interactions among scientists, practitioners and developers of visual information processing technologies. The aim is not to just create another scientific gathering but a forum where all aspects of visual information processing, including the technological impact on society and environment, are explored in a friendly and supportive environment.

To cover recent advances in these approaches, **EUVIP 2013** tries to bring together prominent experts to exchange ideas and explore the frontiers of this multidisciplinary research field. It also provides graduate students with the opportunity to have substantive interaction with experts in the field.

This fourth edition of the workshop follows up on the success achieved by the previous i.e. *VIS PA'2008*
,
EUVIP'2010
and
EUVIP'2011
. These latter attracted prominent speakers from around the world and provided a framework for

fruitful discussions on different applications of signal and image processing techniques for emerging and challenging problems. Carrying on this tradition
EUVIP 2013
, will offer a forum for researchers and industrials to exchange ideas and discuss the recent advances in perceptually-inspired techniques for image and video processing with application to multimedia, visual pattern recognition, surveillance, and visual information security. This event will be composed by several invited senior talks and technical papers presentations dealing with state of the art and new advances in visual information modeling, analysis, processing and communication methods.

Topics of particular interest to **EUVIP 2013** include, but are not limited to:

Computational Vision Models	**Video Analysis**
Image & Video Quality Assessment	**Visual Tracking**
Image & Video Enhancement	**Visual Data Mining**
Color Image Understanding	**Biometrics** / **Multibiometrics**
Color Image Processing	**Perceptual Digital Watermarking**
Perceptual Image & Video Retrieval	**Perceptual Coding**
Multimedia Communication	**Multiview Processing**
Digital Camera Forensics	**Digital Media Forensics**

Accepted papers will be published in the workshop proceedings and in **IEEE Xplore**.

Following the tradition of previous successful EUVIP workshops, a PhD student poster session will be organized. For further information, please go to this link .

Important Dates

Submission Deadline (**extended**   ):

Notification of Acceptance (**extended**   ):

Camera Ready Deadline (**extended**):

4 March 2013   (15 February 2013   )

19 April 2013   (31 March 2013   )

26 April 2013   (15 April 2013   )

The extensive use of digital visual media in our everyday life and their inherent presence around us; urges for the development of smarter and more efficient approaches for modeling, analyzing, processing and communication of visual information. Machine vision techniques have gone so far and are able to perform tasks that one could only dream of a few years ago; thanks to smarter algorithms, large increase in processing power, storage capabilities and communication bandwidth available in today's computers and networks. Nevertheless, they fall short of our expecting when compared to the ease with which the human visual system (HVS) deals with complex scenes analysis, processing and abstraction. Therefore, we are witnessing a growing interest in approaches inspired from the HVS for digital visual information modeling, analysis, processing and communication.