Open positions @ ISIP40 research group
(University of Genoa)

Applications are invited for 2 PhD open positions and 1 Research Grant open position

The ISIP40 group, active in the DIBE department in the Faculty of Engineering of the University of Genoa has focused its attention mostly on:

a. Multidimensional Signal/Video Processing  
b. Multisensor Data Fusion  
c. Bio-inspired adaptive and evolving Pattern Recognition methods for Analysis and Decision  
d. Cognitive Distributed Systems for Telecommunications and Physical Security

Open Positions for Ph.D.
2 positions (3 years) starting in 2008; expiration date for first level applications: June 30th, 2008

Research Areas:

Video processing within embodied multi-sensor cognitive artificial systems

The proposed PhD involves the study of problems mainly related to understanding of complex scenes from multisensor networks: focus will be on data association and state estimation methods for joint shape/color/position object tracking from multicamera data.

Learning within distributed Cognitive Radio networks

The proposed PhD involves the study of cognitive radio networks under the viewpoint of designing bio-inspired learning approaches that allow adaptive methods for analysis and decision to evolve under the environmental operating conditions. Focus will be on signal processing methods used at physical level telecommunications to both analyze (e.g. adaptive mode identification, MISM methods) and decision making (e.g. adaptive MIMO beamforming techniques) within an embodied radio framework.

The interested applicants please apply not later than June 20th, 2008.
Open Position for Research Grant

1 position (1 year + 1 year) opening in July 2008

Multisensor fusion for mobile preventive safety and security systems

The research grant is related to a 1 year project to develop mobile multicamera on board systems integrating external observations with on-board driver and car occupants observation.

The research grant could cover bio-inspired learning aspects including extracted contextual information in available algorithms in cooperation with other collaborators of the research team.

The interested applicants please apply not later than **May 15th, 2008**.

For more info and for application terms and requirements please visit ISIP40 website:
http://www.isip40.it