The International Conference on Image Analysis and Processing is organized every two years by the Italian group of researchers affiliated to IAPR (GIRPR) with the aim to bring together researchers in image processing and pattern recognition from around the world. The central theme ofICIAP 2005, the thirteenth edition in the series, is “Pattern Recognition in the Internet and Mobile Communications Era”, and main conference topics concern theory of image analysis and processing and its classical and internet-driven applications.

**Image processing and pattern recognition**
Segmentation, feature extraction and representation, shape and motion primitives, texture and color information, statistical, structural and syntactic pattern recognition, neural networks and genetic algorithms, interactive image analysis and interpretation.

**Vision and perception**
Cognitive vision, active vision, spatial reasoning, 2D and 3D modeling, perceptual learning.

**Internet pattern recognition**
Visual processing for communication and internet, wearable computing, augmented and virtual reality, human computer interfaces, multimedia databases, digital and video libraries, compression and coding, security over the network.

**Architectures and efficient computing**
Intelligent sensors, VLSI image processor chips, architectures for 3D and motion, multimedia extensions, VLIW, embedded processors.

**Applications**
Ambient intelligence and security, biomedicine, biometrics, cultural heritage, OCR and document analysis, mobile robots and visual navigation, network security, remote sensing and environment control, video surveillance and intelligent transport systems, visual inspection and quality control, underwater robots.

**PROPOSALS FOR TUTORIALS AND SPECIAL SESSIONS**
Half-day tutorials providing in-depth overview on specific subjects of image processing, pattern recognition, and applications will be given the day before the Conference, Sept. 5, 2005. Proposals should include title and abstract, a detailed outline, background and potential target audience, biography of the presenter(s), bibliography supporting the proposal (e.g., a tutorial-level published article). Proposals should be submitted to tutorials@iciap2005.it before February 15, 2005. Further information about tutorials are available at www.iciap2005.it or can be asked to tutorials@iciap2005.it. Proposals for special sessions should include title, rationale, session outline, contact information and biography for the session chair(s), a list of authors who have agreed to present papers, and abstract of each paper. Proposals for special sessions should be submitted to specialsession@iciap2005.it before December 15, 2004. Further information about special sessions are available at www.iciap2005.it or can be asked to specialsession@iciap2005.it.

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**IMPORTANT DATES**
Paper Submission: February 15, 2005
Notification of Acceptance: April 15, 2005
Camera-ready Manuscript: May 30, 2005
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