



## First International Conference on Signal, Image Processing and Pattern Recognition (SPPR 2012)

<http://coneco2009.com/sppr2011/index.html>

The Connaught Hotel, May 25 ~ 27, 2012, Delhi, India.

### Call for Papers

International Conference on Signal, Image Processing and Pattern Recognition is a forum for presenting new advances and research results in the fields of Digital Image Processing. The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. The scope of the journal covers all theoretical and practical aspects of the Signal, Image Processing & Pattern Recognition, from basic research to development of application. Authors are solicited to contribute to the journal by submitting articles that illustrate research results, projects, surveying works and industrial experiences. Topics of interest include, but are not limited to, the following:

#### Topics of Interest :

<ul style="list-style-type: none"> <li>• Image acquisition &amp; Medical Image processing</li> <li>• Pattern recognition and analysis</li> <li>• Visualization</li> <li>• Image coding and compression</li> <li>• Face Recognition &amp; Super-resolution imaging</li> <li>• Image segmentation</li> <li>• Face recognition</li> <li>• 3-D and Surface Reconstruction</li> <li>• 3D and Stereo Imaging</li> <li>• Analog and Mixed Signal Processing</li> <li>• Application &amp; Others</li> <li>• Image acquisition &amp; Medical Image processing</li> <li>• Pattern recognition and analysis</li> <li>• Visualization</li> <li>• Image coding and compression</li> <li>• Face Recognition &amp; Super-resolution imaging</li> <li>• Image segmentation</li> <li>• Face recognition</li> <li>• 3-D and Surface Reconstruction</li> <li>• 3D and Stereo Imaging</li> <li>• Analog and Mixed Signal Processing</li> <li>• Application &amp; Others</li> <li>• Applications (Biomedical, Bioinformatics, Genomic, Seismic, Radar, Sonar, Remote Sensing, Positioning, etc.)</li> <li>• Array Signal Processing</li> <li>• Audio/Speech Processing and Coding</li> <li>• Digital &amp; Mobile Signal Processing</li> <li>• Statistical &amp; Optical Signal Processing</li> <li>• Data Mining Techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Motion Detection</li> <li>• Content-based Image retrieval</li> <li>• Video Signal Processing</li> <li>• Applications (Biomedical, Bioinformatics, Genomic, Seismic, Radar, Sonar, Remote Sensing, Positioning, etc.)</li> <li>• Array Signal Processing</li> <li>• Audio/Speech Processing and Coding</li> <li>• Digital &amp; Mobile Signal Processing</li> <li>• Statistical &amp; Optical Signal Processing</li> <li>• Data Mining Techniques</li> <li>• Motion Detection</li> <li>• Content-based Image retrieval</li> <li>• Video Signal Processing</li> <li>• Watermarking</li> <li>• Detection and Estimation of Signal Parameters</li> <li>• Signal Identification</li> <li>• Nonlinear Signals and Systems</li> <li>• Time-Frequency Signal Analysis</li> <li>• Signal Reconstruction</li> <li>• Spectral Analysis</li> <li>• Filter Design and Structures</li> <li>• FIR, IIR, adaptive Filters</li> <li>• Signal Noise Control</li> <li>• Multiple Filtering and Filter Banks</li> <li>• Biomedical Imaging Technologies</li> <li>• Biometrics and Pattern Recognition</li> <li>• Cognitive and Biologically-inspired Vision</li> <li>• Color and Texture</li> <li>• Communication Signal processing</li> <li>• Computer Communication and Networks</li> <li>• Computer Vision &amp; VR</li> <li>• Constraint processing</li> <li>• Distributed Source Coding</li> <li>• Document Recognition</li> <li>• DSP Implementation and Embedded Systems</li> </ul>	<ul style="list-style-type: none"> <li>• Face and Gesture</li> <li>• Hardware Implementation for Signal Processing</li> <li>• Higher Order Spectral Analysis</li> <li>• Illumination and Reflectance Modeling</li> <li>• Image and Video Retrieval</li> <li>• Image Processing &amp; Understanding</li> <li>• Image-Based Modeling</li> <li>• Internet Signal Processing</li> <li>• Knowledge Representation and High-Level Vision</li> <li>• Medical Image Analysis</li> <li>• Motion and Tracking Stereo and Structure from Motion</li> <li>• Multidimensional Signal Processing</li> <li>• Multi-view Geometry</li> <li>• Neural Networks and Genetic Algorithms</li> <li>• Object Detection, Recognition and Categorization</li> <li>• Pattern Recognition in New Modalities</li> <li>• PDE for Image Processing</li> <li>• Performance Evaluation</li> <li>• Radar Signal Processing</li> <li>• Remote Sensing</li> <li>• Segmentation</li> <li>• Sensor Array and Multi-channel Processing</li> <li>• Shape Representation</li> <li>• Signal Processing Education</li> <li>• Sonar Signal Processing and Localization</li> <li>• Speech, Audio and Music Processing</li> <li>• Statistic Learning &amp; Pattern Recognition</li> <li>• Text processing</li> <li>• Time-Frequency/Time-Scale Analysis</li> <li>• Video Analysis and Event Recognition</li> <li>• Video compression &amp; Streaming</li> <li>• Video Surveillance and Monitoring</li> <li>• Others</li> </ul>
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### Paper Submission

Authors are invited to submit papers through the **conference Submission system ( Track:SPPR 2011 )** by December 23, 2011. Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference. The proceedings of the conference will be published by Springer (Confirmed). Hard copy of the Springer Proceedings will be distributed during the Conference. The softcopy will be available on SpringerLink . Selected papers from SPPR 2011, after further revisions, will be published in the special issue of the following journal.

- **Signal & Image Processing : An International Journal ( SIPLJ )**
- **International Journal of VLSI Design & Communication Systems ( VLSICS )**
- **International Journal of Embedded Systems and Applications ( IJESA ) New**
- **International Journal On Organic Electronics( IJOE ) New**
- **International journal of computer science & information Technology (IJCSIT)**
- **International Journal of Computer Science, Engineering and Applications (IJCSEA)**

### Important Dates

Submission deadlines : 23 December, 2011  
 Paper Status Notification : 30 January, 2012  
 Final manuscript due : 27 February, 2012  
 Conference : July 15 ~ 17, 2012