International Conference on Wavelet Analysis and Pattern Recognition

Beijing, China, November 2-4, 2007

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Call for Papers

ICWAPR'07 is the fifth of a series of the formerly international conferences on wavelet theory and applications (ICWAA). The first four conferences were held in, respectively, Guangzhou (1999), Hong Kong (2001), Chongqing (2003), and Macau (2005). ICWAPR'07 will be held on 2-4 November, 2007, at the University of Science and Technology, Bejing, China. The objective of the conference is to bring together researchers working on mathematical theory and engineering, specifically, wavelet analysis and pattern recognition, to explore the synergy between the two. This conference is built on the success of the ICWAAs and takes a new initiative by providing focused research forums led by experts in selected fields such as Biometrics and new developments of wavelets. The conference offers opportunity for selected works to be published first in the conference proceedings and later in special issue of journals. The multiple themes and topics of interest include, but are not limited to:

Wavelet Analysis:

- General Theory
- Bases and Frames Theory
- Wavelets and Filter Banks
- Wavelet and Sampling
- Approximation Theory
- Spline Theory
- Equation
- Time-Frequency Analysis
- Integral Transforms
- Wavelet and Statistics
- Wavelet and Differential and Integral
- Wavelet and Numerical Analysis
- Wavelet and Functional Analysis
- Wavelet Neural Network
- Hardware and Software Implementation of Wavelet Transforms
- Algorithms

Pattern Recognition & Related Fields:

- Visualization
- Watermarking
- Biometrics
- Signal Estimation
- Image Fusion
- Image Recovery
- Image Compression
- Segmentation
- Biomedical Imaging
- Document Analysis
- Learning Theory
- Noise Reduction
- Machine Vision
- Classification
- Feature Extraction
- Emotion Computation
- Cluster Analysis
- Deformation Analysis
- Descriptor of Shapes
- Diagnosis of Faults
- Intelligent Robot

- Medical Image Analysis
- Human Face Recognition
- Hand Gestures Classfication
- Iris Pattern Recognition
- Invariant Representation of Patterns
- Image Indexing and Retrieval
- Range Imaging and Detection
- Seismological Signal Processing
- Stochastic Pattern Recognition
- Texture Analysis and Classfication
- Animation Image Analysis
- Enhancement and Restoration
- Nonstationary Stochastic Processing
- Handwritten and Printed Character Recognition
- Analysis and Detection of Singularities
- Artificial Life
- Intelligent Control System
- Intelligent Human Machine Interface
- Information Safety

Submission Guidelines

Prospective authors should prepare a full paper and submit it on line through our website in PDF format. Each paper should not exceed 6 pages in A4 format. All papers should conform to the style guidelines outlined on the ICWAPR'07 website. All submissions must be original and have not been submitted to any other publications. Each paper will be reviewed by 2 referees. The papers should provide sufficient background information and should clearly indicate the original contribution to the subject studied. They should state and discuss the main results and provide adequate references. Paper submission implies that one of the authors will attend the conference if it is accepted.

Important Dates

Paper submission 30 May 2007
Notification of paper acceptance 15 July 2007
Submission of Camera Ready Manuscripts 30 August 2007

Publication

All papers are searchable by EI
Selected papers will be published in two international journals (SCI Indexed):
(1) IJWMIP - International Journal of Wavelet, Multiresolution & Information Processing,
(2) IJPRAI - International Journal of Pattern Recognition and Artificial Intelligence.