



Announcement and Call for Papers



**JOINT IAPR INTERNATIONAL WORKSHOPS ON
Structural and Syntactic Pattern Recognition (SSPR 2008)
and
Statistical Techniques in Pattern Recognition (SPR 2008)
December 4-6, 2008 – Orlando, Florida, USA**

<http://www.ssspr.org/2008>

A Satellite Event of the International Conference of Pattern Recognition: ICPR 2008

Aim of the Workshops

The International Association for Pattern Recognition (IAPR) and its Technical Committees on Statistical Pattern Recognition (TC1) and the Structural and Syntactical Pattern Recognition (TC2) will organize the next joint workshops at the University of Central Florida (UCF), Orlando, FL, prior to the ICPR 2008 which will be held in Tampa, FL, only two hour distance from UCF. The joint workshops aim at promoting interaction and collaboration not only among researchers working in areas covered by TC1 and TC2 but also among those in other fields who use statistical, structural or syntactical techniques extensively. We welcome mathematicians, statisticians, researchers in machine learning and practitioners alike who, at present, work outside the pattern recognition community.

Topics of interest cover all aspects of the major paradigms of pattern recognition, including, but are not limited to:

SSPR Topics

Structural matching
Syntactic pattern recognition
Image understanding
Shape analysis
Graphical models
Graph-based methods
Spectral methods for graph-based representations
Probabilistic and stochastic structural models for PR
Structural learning in spatial or spatio-temporal signals
Kernel methods for structured data
Image and video analysis
Intelligent sensing systems
Spatio-temporal pattern recognition
SSPR methods in computer vision
Multimedia signal analysis
Image document analysis
Structured text analysis and understanding
Novel applications

SPR Topics

Density estimation
Large margin classifiers
Kernel methods
Ensemble methods and multiple classifiers
Bayesian methods
Gaussian processes
Dimensionality reduction
Independent component analysis
Cluster analysis and unsupervised learning
Data visualization
Semi-supervised learning
Model selection
Hybrid methods
Comparative studies
Speech and image analysis
Novel applications

Format of the Workshops

The workshops will comprise of invited talks, oral and poster presentations, and panel discussions. In addition the SSPR workshop will have a special session on graph based representation co-organized by the Technical committee on Graph Based Representations (TC15). Accepted papers will appear in the proceedings and will be distributed to all the participants during the workshops.

Submission of Papers

Papers for both the workshops should describe original and unpublished work related to the topic areas of SPR, SSPR, or closely related ones. Full papers may be up to 10 (8½ x 11”) pages long and prepared according to the guidelines of Springer, which is publishing the proceedings of the paper as an LNCS series (www.springer.com/lncs). All manuscripts will be reviewed by at least two members of the program committee. Instructions for preparation and electronic submission of full papers are available at the workshops website.

Advisory Committee

Shun-ichi Amari (Japan), Horst Bunke (Switzerland), Robert P.W. Bob Duin (Netherlands), Anil K. Jain (USA), Josef Kittler (UK), Erkki Oja (Finland), Ching Y. Suen (Canada), Tie-Niu Tan (China).

Invited Speakers

Tin Kam Ho, member of Technical Staff in the Computing Sciences Research Center, Bell Laboratories, and winner of the Pierre Devijver Award, Horst Bunke, Professor of the Computer Science Department at University of Bern, Switzerland, and Pedro Domingos, Professor of the Computer Science Department at Washington State University, and Ludmila Kuncheva, Reader of the School of Informatics, University of Wales are four of the featured speakers.

Structural and Syntactic Pattern Recognition (SSPR 2008) Statistical Techniques in Pattern Recognition (SPR 2008)

Co-Chairs

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James Kwok (Hong Kong, China)

Co-Chairs

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Important Dates

Last Call for Papers: **July 3, 2008**
Paper Submission Deadline: **July 12, 2008**
Notification of acceptance: **September 1, 2008**
Submission of camera-ready papers: **September 11, 2008**
Author/early registration: **September 11, 2008**
Workshops: **December 4-6, 2008**

Contact Information

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