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 are three of the featured speakers in these workshops.

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

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James Kwok (Hong Kong, China) Niels Da Vitoria Lobo (Orlando, USA)

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Important Dates
Last Call for Papers: June 7, 2008
Paper Submission Deadline: June 21, 2008
Notification of acceptance: August 21, 2008
Submission of camera-ready papers: August 30, 2008
Author/early registration: August 30, 2008
Workshops: December 4-6, 2008

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