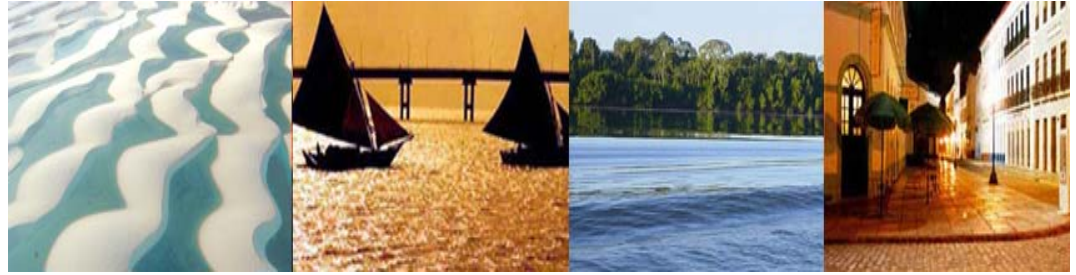
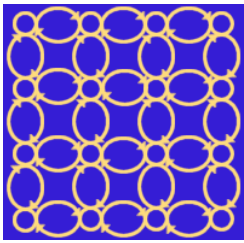


Machine Learning for Signal Processing

Formerly Neural Networks for Signal Processing

Sep. 29 - Oct. 1st, 2004, São Luís, Brazil

Sponsored by the IEEE Signal Processing Society

Call for Papers

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CNRS

Schedule

Submission of full paper:
April 15, 2004

Notification of acceptance:
May 15, 2004

**Camera-ready paper
and author registration:**
June 1, 2004

Advance registration before:
July 31, 2004

The fourteenth of a series of IEEE workshops on Machine Learning for Signal Processing will be held in São Luís (<http://www.turismo.ma.gov.br/en/>), Brazil. São Luís is located just in between Amazonia and the Northeast coast, and is a World Heritage island. It is the only capital city in Brazil founded by the French. It has a wonderful Portuguese Historical Center, along with exquisite local seafood, and is close to one of the most beautiful deserts in the world: Lençóis Maranhenses, where pristine water lays lazily distributed among beautiful dunes.

This is a continuation of the IEEE workshops on Neural Networks for Signal Processing (NNSP) organized by the NNSP technical committee of the Signal Processing society. The name of the technical committee, hence of the workshop, has been changed to Machine Learning to Signal Processing in September 2003 to better reflect the areas represented by the technical committee.

The workshop will feature keynote addresses, technical presentations, special sessions and tutorials that will be included in the registration. Papers are solicited for, but not limited to, the following areas:

Algorithms and Architectures: Artificial neural networks, kernel methods, committee models, Gaussian processes, independent component analysis, advanced (adaptive, nonlinear) signal processing, (hidden) Markov models, Bayesian modeling, parameter estimation, generalization, optimization, design algorithms.

Applications: Speech processing, image processing (computer vision, OCR), multimodal interactions, multi-channel processing, intelligent multimedia and web processing, robotics, sonar and radar, bio-medical engineering, financial analysis, time series prediction, blind source separation, data fusion, data mining, adaptive filtering, communications, sensors, system identification, and other signal processing and pattern recognition applications.

Implementations: Parallel and distributed implementation, hardware design, and other general implementation technologies.

MLSP'2004 webpage: <http://isp.imm.dtu.dk/mlsp2004>

Paper Submission Procedure

Prospective authors are invited to submit a full paper of up to ten pages using the electronic submission procedure described at the workshop homepage. Accepted papers will be published in a bound volume by IEEE after the workshop and a CDROM volume will be distributed at the workshop.

Program Committee

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