CIP2014

4th International Workshop on Cognitive Information Processing

MAY 26-28, 2014   BELLA SKY HOTEL, COPENHAGEN, DENMARK

CIP2014.CONWIZ.DK

Schedule

Special session proposal:	December 1, 2013
Submission of full paper:	January 15, 2014
Notification of acceptance:	March 5, 2014
Camera-ready paper:	April 5, 2014
Advance registration before:	April 5, 2014

Organizing committee

General Chair	Lars Kai Hansen, Technical University of Denmark
Vice Chair	Søren Holdt Jensen, Aalborg University
Program Chair	Jan Larsen, Technical University of Denmark
Local arrangement chair	Rebecca Engberg, Technical University of Denmark

CIP steering committee

Nello Cristianini, Univ. of Bristol, UK; **Anibal R. Figueiras-Vidal**, UCIIIM, Spain; **Georgios Giannakis**, Univ. of Minessota, USA; **Fulvio Gini**, Univ. of Pisa, Italy; **Simon Haykin**, McMaster Univ., Canada; **Quiang Huo**, Microsoft China; **Shigeru Katagiri**, Doshisha University, Japan; **Vitor Nascimento**, Univ. of S. Paulo, Brazil; **Fernando Pérez-González**, Univ. of Vigo, Spain & UNM, USA; **Jose C. Principe**, Univ. of Florida, USA; **Bernhard Schölkopf**, Max-Planck Inst. Intelligent Sys., Germany; **Hans-Georg Stork**, European Commission, Belgium; **Sergios Theodoridis**, Univ. of Athens, Greece

CALL FOR PAPERS

Following the success of three previous editions of the Workshop on Cognitive Information Processing, we are pleased to announce the CIP 2014 Copenhagen experience. This workshop aims at bringing together researchers from the machine learning, cognitive engineering, human-machine interaction, pattern recognition, statistical signal processing in an effort to promote and encourage cross-fertilization of ideas and tools. CIP 2014 will take place at the Bella Sky Hotel which rises as two leaning towers at the island Amager - an impressive and original architectural landmark. The workshop will feature keynote addresses and technical presentations, oral and poster, all of which will be included in the workshop proceedings. Papers are solicited for the following areas in theory and applications.

Theory areas

- Machine learning theory and algorithms
- Cognitive principles for machine architectures and training
- Adaptive and sparsity-aware learning
- Cognitive psychology modeling
- Machine understanding and human-machine interaction
- Cognitive dynamic systems
- Cognitive fuzzy methods and techniques
- Cognitive approaches to decision making and game theory
- Collaborative sensing
- Algorithms and Tools for Large-Scale Machine Learning

Application areas

- Sound and audio systems
- Datamining, textmining,
- Sentiment analysis
- Social networks, social science
- Medicine, neuroimaging, bioinformatics,
- Energy and smart grids, advanced manufacturing
- Robotics, artificial vision,
- Engineering systems, industrial processes,
- Economy and finance
- Cognitive communications: Modulation, networks, dynamic spectrum management and personalization
- Cognitive radar and sonar: Detection, estimation, tracking and target identification

SPECIAL SESSIONS are solicited in the same areas. Please suggest the topic and 3-5 potential speakers to Program Chair Jan Larsen (cip2014-programchair.conwiz.dk) before December 1, 2013.

A **STUDENT PRIZE** of 500.00 EUR will recognize the best contribution whose first author is a graduate student.

Accepted papers will be published in an online **PROCEEDINGS** and will further be published by an internationally recognized publishing house. We are seeking collaboration with IEEE Xplore through technical sponsorship with the SPTM and MLSP Technical Committees.