



CIP2010

The second IAPR international workshop on Cognitive Information Processing

14-15 June 2010, Elba Island, Italy

Sponsored by the International Association for Pattern Recognition
in Cooperation with EURASIP



KEYNOTESPEAKERS

Christopher Bishop (Microsoft Research Cambridge, UK)
Nello Cristianini (University of Bristol, UK)
Alfonso Farina (SELEX-SI, Italy)
Georgios B. Giannakis (University of Minnesota, USA)
Marco Luise (University of Pisa, Italy)
Joseph Mitola (Stevens Institute of Technology, USA)

IMPORTANT DATES

Full four-page paper submission:

January 10, 2010

Notification of acceptance:

March 10, 2010

Final camera-ready papers and author
registration:

April 10, 2010

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Pierre Coman (CNRS, Univ. of Nice, France)

Stefano Coraluppi (NATO Undersea Research Centre, Italy)

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Andrea Garzelli (Univ. of Siena, Italy)

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Scott Goldstein (SAIC, USA)

Nathan A. Goodman (Univ. of Arizona, USA)

Joseph R. Guerci (SAIC, USA)

Maxime Guillaud (FTW, Austria)

Robert Heath (Univ. of Texas at Austin, USA)

Braham Himed (AFRL, USA)

Ekram Hossain (Univ. of Manitoba, Canada)

Yingbo Hua (UC Riverside, USA)

Nihar Jindal (Univ. of Minnesota, USA)

Thomas Kaiser (Leibniz Univ. of Hannover, Germany)

Steven Kay (Univ. of Rhode Island, USA)

Kevin Knuth (Univ. at Albany, USA)

Ercan Kuruoglu (CNR Pisa, Italy)

Jan Larsen (Technical Univ. of Denmark, Denmark)

Erik G. Larsson (Linköping Univ., Sweden)

Jian Li (Univ. of Florida, USA)

Marco Lops (Univ. of Cassino, Italy)

Daniilo P. Mandic (Imperial College, UK)

Ivana Maric (Stanford Univ., USA)

Marco Martorella (Univ. of Pisa, Italy)

William Melvin (GTRI, USA)

David Miller (The Pennsylvania State Univ., USA)

Michele Morelli (Univ. of Pisa, Italy)

Arye Nehorai (Washington Univ. in S. Louis, USA)

Jean-Philippe Ovarlez (ONERA, France)

Daniel Palomar (HKUST, Hong-Kong)

Fernando Perez-Cruz (Univ. of Princeton, USA)

H. Vincent Poor (Princeton Univ., USA)

Jose Principe (Univ. of Florida, USA)

Muralidhar Rangaswamy (AFRL/SNHE, USA)

Giuseppe Ricci (Univ. of Salento, Italy)

Joao Marcos T. Romano (UNICAMP, Brasil)

Luca Sanguinetti (Univ. of Pisa, Italy)

Ali Sayed (UCLA, USA)

Gesualdo Scutari (HKUST, Hong-Kong)

Martin Schubert (TU Berlin, Germany)

Osvaldo Simeone (New Jersey Inst. of Techn., USA)

Bernhard Schölkopf (Max-Planck-Institut, Germany)

Predrag Spasojevic (Rutgers Univ., USA)

Johan A. K. Suykens (K.U. Leuven, Belgium)

Ananthram Swami (ARL, USA)

Joseph Tabrikian (Ben-Gurion Univ. of the Negev, Israel)

Vahid Tarokh (Harvard Univ., USA)

Luc Vandendorpe (Univ. Catholique de Louvain, Belgium)

Mihaela van der Schaar (UCLA, USA)

Pramod Varshney (Syracuse Univ., USA)

Alessandro Verri (Univ. of Genoa, Italy)

Xiaodong Wang (Columbia Univ., USA)

Michael C. Wicks (AFRL, USA)

Qing Zhao (Univ. of California Davis, USA)

CALLFORPAPERS

Following the success of the first edition of the workshop on *Cognitive Information Processing* (CIP), we are pleased to announce the second one in this series. This workshop aims at bringing together researchers from the machine learning, pattern recognition, statistical signal processing, communications and radar communities in an effort to promote and encourage cross-fertilization of ideas and tools.

CIP2010 will take place in Italy, in the beautiful Tuscan island of Elba, at the **Grand Hotel Elba International** (www.elbainternational.it), which dominates the Bay of Naregno.



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:

- Learning theory and modelling
- Bayesian learning and models
- Information theoretic learning
- Graphical and kernel methods
- Adaptive learning algorithms
- Ensembles: committees, mixtures, boosting, etc.
- Data representation and analysis
- Collaborative sensing techniques
- Other topics for cognitive information processing

APPLICATIONS:

- Cognitive radio networks
- Cognitive radio modulation techniques
- Dynamic spectrum management
- Opportunistic resource allocation
- Cognitive radar and sonar
- Knowledge based target detection, estimation, tracking and identification
- Waveform agility design
- Blind source separation
- Cognitive dynamic systems
- Distributed, cooperative and adaptive processing
- Other application areas