



## CALL FOR PAPERS

# ICMWI'2010

## International Conference on Machine and Web Intelligence

USTHB, Algiers, October 3-5, 2010

<http://www.icmwi2010.org>

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## SCOPE

In the growing field of artificial intelligence, we are witnessing on one hand the great developments in problem solving, machine learning, knowledge representation, automated reasoning, artificial vision, human machine interaction and web intelligence and on the other hand the emergence of new directions and challenges such as brain informatics, social network intelligence and cloud computing.

Within this new and rich context of AI engineering, the Laboratory of Research in AI (LRIA) of the University of Science and Technology Houari Boumediene in Algiers (USTHB Algeria) and the Laboratory for Foundations of Computer Science (LIFL) of the University of Science and Technology of Lille 1 (USTL France) organize the first International Conference on Machine and Web Intelligence (ICMWI'2010) which will be held in Algiers on October 3-5, 2010.

ICMWI'2010 will focus on all theoretical and practical aspects of machine intelligence and their fundamental interaction with the web. It is hence dedicated to bring together scientists from all over the world to share and exchange knowledge, experience and most recent developments and research in machine and web intelligence. Original submissions are welcome from all areas of contemporary AI. These include, but are not limited to, the following areas:

**Machine intelligence:** Agents and Multi-agent Systems, Reasoning under Uncertainty, Cognitive Modeling and Interaction, Constraints Satisfaction and Search, Knowledge Representation and Reasoning, Machine Learning, Knowledge discovery and data mining, Nature and bio-Inspired Computing, Natural Language Processing, Planning and Scheduling, Vision, Image Analysis and Robotics, Pattern Recognition, Ambient Intelligence, Qualitative and temporal reasoning, All languages and environments, Information Retrieval and Filtering, Meta-heuristics and Evolutionary computation, Brain Informatics, Semantics and Ontology Engineering.

**Web Intelligence:** Intelligent Human-Web Interaction, Web Information Filtering & Retrieval, Electronic Commerce, Conversational Systems, Browsing and Exploration, Adaptive Web, User Profiling/Clustering, Negotiation Systems, Security, Privacy and Trust, Web Mining and Farming, Social Networks Mining, Intelligent e-Technology, Semantic Web, Web Agents, Knowledge Grids & Grid Intelligence, Grid Computing, Cloud Computing, Web Services, Search in Networks.

Saliha Khouas	University of Blida, <b>Algeria</b>
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Nacéra Bensaou	LRIA USTHB, <b>Algeria</b>

#### Important dates (GMT) :

Deadline of Track Proposals	<b>January 30, 2010</b>
Announcement of Tracks	<b>February 10, 2010</b>
Deadline for paper submission	<b>May 10, 2010</b>
Notification of acceptance	<b>June 21, 2010</b>
Camera-ready paper due	<b>July 5, 2010</b>
Start of registration Period	<b>July 14, 2010</b>

#### General Information

For further information about ICMW'2010 please visit the web site at: <http://www.icmwi2010.org>

## PAPER SUBMISSION

Submission of papers for ICMW'2010 will be managed via the EasyChair system. Detailed instructions are available on the conference website. All papers submitted to ICMW'2010 will be reviewed by three reviewers and evaluated on the basis of relevance, significance of contribution, and technical and presentation qualities. Accepted papers will be published in the conference proceedings.

## SPECIAL ISSUES

In agreement with the editors in chief, ICMW'2010 organizers will kindly invite authors of selected papers presented at the conference to submit extended versions for consideration in the following International journal:

#### **-Revue des Nouvelles Technologies de l'Information (RNTI)**

Cépaduès Editions, Directors of the collection: Pr. D.A. Zighed, Pr. G. Venturini

#### **-International Journal of Advanced Operations Management (IJAOM)**

Inderscience Publishers, Switzerland, Editor in Chief: Kannan Govindan

#### **-International Journal of Computational Intelligence Theory and Practice (IJCITP)**

Serials Publications Publishers, Editor in Chief: Shahram Rahimi.

#### **-International Journal of Innovative Computing and Applications (IJICA)**

Inderscience Publishers, Editor in Chief: Nadia Nadjah

#### **-International Journal of Data Mining, Modelling and Management (IJDMMM)**

Inderscience Publishers, Editor in Chief: John Wang

## KEYNOTE SPEAKERS

**-Exploring Semantic Roles of Web Interface Components**, Kang Zhang, University of Texas at Dallas, Richardson, USA

**-Causal reasoning and compact representation of preferences**, Salem Benferhat, University of Artois, France

**-Efficient extraction of news articles based on RSS crawling**, Christos Bouras, Patras University, Greece

**-Click Fraud Prevention in Pay-Per-Click Model: Learning through Multimodal Evidence Fusion**, Mehmed Kantardzic, University of Louisville, U.S.A.

**-Learning of Data Collections in High-Dimensional Spaces without Supervision**, Djemel Ziou, University of Sherbrooke, Canada

## SPECIAL TRACKS

#### **Information Retrieval and applications**

Chair: Mohand Boughanem, IRIT-Paul Sabatier University, France

#### **Ontology Engineering**

Chair: Yamine Ait-Ameur, LISI-ENSMA, France

#### **OLAP and Data Warehousing**

Chair: Ladjel Bellatreche, LISI-ENSMA, France

## BEST PAPER AWARDS

Awards will be given for authors of best papers at the conference closing session

### Sponsors:

