International Workshop On Computational Intelligence in Knowledge Discovery

(CIKD2010)

**Under the framework of the 10th International Conference on Intelligent Systems
Design and Applications, ISDA'10**
November 29 – December 1, 2010, Cairo, Egypt
Conference web page: http://cig.iet.unipi.it/isda2010/

Workshop Chairs
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Introduction: The objective of the special session is to provide a forum for the discussion of recent advances in the application of computational intelligence methods to data mining and machine learning problems, both in batch off-line and incremental on-line mode, and to offer an opportunity for researchers and practitioners to identify and discuss recent advances and new promising research directions. We encourage authors to submit original papers on the topic listed below. It is a partial list and thus not restricted to the following topics:

- :Pattern Recognition
- Multiple Instance Learning
- Classification and Clustering
- Regresión and Association Rules
- Data Reduction
- Feature Selection / Extraction
- Instance Selection / Extraction
- Interval Rule Learning
- Fuzzy Rule Learning
- Neural Networks
- Statistical Learning
- Lazy Learning

- Data, Text and Web Mining Methods
- Handling of Incomplete and Heterogeneous Data
- Interpretability and Process Safety Aspects
- Interactive and on-line data mining,
- Mining of data streams,
- Parallel and Distributed Mining algorithms
- Real World Applications
- Preprocessing / Postprocessing tasks
- Mining from Imbalanced Data

International Program Committee
- TBA

Instructions for Authors:

Papers must correspond to the requirements detailed in the (Paper Submission) on the conference flyer http://cig.iet.unipi.it/isda2010/flyer.pdf

Registration Fees:

All papers must be presented by one of the authors, who must pay the registration fees.
http://cig.iet.unipi.it/isda2010/

Paper Reviewing and Publication

Submitted papers will be reviewed. Accepted papers, which should not exceed 6 pages (PDF) following the double column IEEE format. All accepted papers will be published in the proceedings of the ISDA'10. Selected papers will be published in special issues of a selection of International Journals (to be announced).

Tentative Dates of Submission and Acceptance

➢ Deadline for paper submission June 26, 2010

➢ Notification of acceptance August 14, 2010

➢ Camera-ready manuscript submission September 15, 2010