

## CALL FOR PAPERS

### The 2006 International Symposium on Collaborative Technologies and Systems (CTS'06)

May 14-17, 2006

Luxor Hotel, Resort and Casino

Las Vegas, Nevada, USA

<http://www.engr.udayton.edu/faculty/wsmari/cts06/>

### Workshop on Collaborative Knowledge Discovery in Databases (CKDD)

**Submission Deadline: January 23, 2006**

#### **Brief Description:**

Data Mining and the process of Knowledge Discovery from Databases (KDD) in general are highly iterative and interactive process aimed at the extraction of novel and potentially useful information from data. Humans are heavily involved with many kinds of decisions that have to be taken at different points of the process. On the one hand, due to the goal-driven, domain-oriented nature of the knowledge discovery process, decisions involve the knowledge of the application domain. On the other hand, very often, Data Mining techniques require complex technical and mathematical backgrounds, whose knowledge is essential in order to use those techniques properly. Hence, two kinds of expertise have to be incorporated into the KDD process. First, distributed organizations collect data in distributed heterogeneous repositories and perform decision making in a distributed fashion. Distributed Data Mining algorithms can help manage distributed heterogeneous data as well as deal with partial information and models. Similarly, collaboration tools and platforms can help different geographically dispersed groups to work together on the same KDD problem in a collaborative way.

The goal of the workshop is to provide a forum for presentation and discussion of most recent advances, both emergent and mature ideas, in the methods and techniques for collaborative data mining and knowledge discovery in databases, and to identify the short- and long-term research directions in the field.

#### **Workshop topics include, but are not limited to, the following:**

- Computer Supported Collaborative Data Mining
- Human-computer interaction in data mining
- Knowledge modeling for communication, information exchange and collaboration in data mining
- Support systems for collaborative KDD process specification and execution
- KDD workflow systems
- KDD process versioning
- KDD process annotation
- Integration of Data Mining algorithms and models
- Cooperative Learning and cooperative KDD algorithms
- Case studies and applications

## **Submission Instructions:**

Papers reporting original and unpublished research results on above and any other related topics are solicited. Submission should include a cover page with authors' names, affiliations, addresses, fax and phone numbers, and email addresses. Please indicate clearly the corresponding author. Include up to 6 keywords from the above list and an abstract of no more than 300 words. Please submit a PDF copy of your full manuscript (not to exceed 15 double-spaced pages including figures, tables, and references or not exceeding 7 pages in length in single-space, two columns IEEE format) to [ckdd@diiga.univpm.it](mailto:ckdd@diiga.univpm.it).

Electronic submissions will be accepted only in PDF format, sent at the email address above. Consistent with standard practice, each submitted paper will receive a minimum of three reviews. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Initial selection will be based on full papers. Submission implies the willingness of at least one of the authors to register and present the paper, if accepted. All accepted papers in the Workshop are expected to be presented and will be included in the Symposium proceedings. It is our intent to have the proceedings formally published in hard and soft copies and be available at the time of the conference.

## **Organizer Information:**

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## **Technical Program Committee:**

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## **Important Dates:**

**Paper submission Deadline:** ..... 23 January 2006  
**Notification of Acceptance:** ..... 13 February 2006  
**Registration and Camera Ready Manuscript Due:** ..... 10 March 2006

**For information or questions about the workshop and the paper submission procedure, please contact the Workshop organizer.**

For information or questions about Symposium's paper submission, tutorials, exhibits, demos, panel and special sessions organization, please consult the conference web site at URL:

<http://www.engr.udayton.edu/faculty/wsmari/cts06/> or contact the symposium co-chairs: Bill McQuay at AFRL/IFSD, WPAFB ([William.McQuay@wpafb.af.mil](mailto:William.McQuay@wpafb.af.mil)) or Waleed W. Smari at the Dept. of Electrical and Computer Engineering, University of Dayton ([Waleed.Smari@notes.udayton.edu](mailto:Waleed.Smari@notes.udayton.edu)).