

**ICDM 2005 Workshop on  
Temporal data mining: algorithms, theory and applications  
Call for Papers**

Workshop homepage: <http://www.cs.fiu.edu/~taoli/workshop/TDM2005>

November 27<sup>th</sup>, 2005, New Orleans, Louisiana, USA

This workshop is the second workshop on this theme held annually with the ICDM Conference. The 2004 workshop was very successful and attracted a mixture of academics and industry practitioners. Information about the 2004 workshop, including proceedings, can be found at <http://www.cs.rochester.edu/u/taoli/workshop>. To continue this tradition of fostering interactions among researchers sharing the same interest, we are organizing the Temporal Data Mining Workshop at ICDM 2005 and soliciting submissions of high quality papers on all topics in the general areas of temporal data mining. Authors are also invited to submit short 2 or 3-page papers describing the “work in progress”.

### **Topics of Interest**

The major topics of the workshop include but are not limited to:

- Temporal data benchmarking
- Temporal pattern discovery
- Temporal data clustering
- Anomaly and change detection of streaming data
- Prediction for temporal data
- Temporal data characterization and analysis
- Statistical analysis of temporal data
- Accommodating domain knowledge in the temporal mining process,
- Complexity, efficiency and scalability of temporal data mining algorithms,
- Content-based search, retrieval for temporal data,
- Process mining,
- Case studies and applications of temporal data mining
  - Adaptive workflow management
  - Bioinformatics
  - Information navigation

- Program behavior analysis
- Security management
- System management
- Web services and etc.

**Short Papers:** Authors are also invited to submit short 2 or 3-page papers describing the “work in progress” such as new applications, new approaches, new results, partial experiences, etc. This would provide a chance to present ongoing research that is not yet ready for publication and that has never been presented before, and to get feedback on your work from experienced researchers in the field.

## **DMKD Special Issue on Temporal Data Mining**

Selected articles (suitably expanded and peer reviewed) from the workshop will be published in a special issue of temporal data mining with DMKD (Data Mining and Knowledge Discovery) Journal. Here is the CFP for the special issue (<http://www.cs.fiu.edu/~taoli/CFP/TDM-CFP.htm>)

## **Workshop Co-chairs**

Sheng Ma, IBM T.J. Watson Research, shengma@us.ibm.com  
Tao Li, Florida International University, taoli@cs.fiu.edu  
Charles Perng, IBM T.J. Watson Research, perng@us.ibm.com

## **Important Dates**

- **September 15, 2005:** Electronic submission of full papers
- **October 15, 2005:** Author notification
- **October 22, 2005:** Submission of Camera-ready papers
- **November 27, 2005:** Workshop in New Orleans, Louisiana, USA

## **Paper Submissions**

The electronic submission Web site for research papers is available at: <http://www.cs.fiu.edu/TDM2005/myreview/>. Workshop papers should be prepared in the same format as ICDM conference papers (formatting guidelines of ICDM can be found at <http://icdm04.cs.uni-dortmund.de/Formatierung.html>). The style files are also available at [http://www.cs.fiu.edu/~taoli/workshop/TDM2005/IEEE\\_CS\\_LaTeX.zip](http://www.cs.fiu.edu/~taoli/workshop/TDM2005/IEEE_CS_LaTeX.zip).

Papers should be no longer than 12 pages (or 5,000 words) inclusive of all references and figures. All papers must be submitted in either PDF (preferred) or postscript. Please ensure that any special fonts used are included in the submitted documents. The workshop proceedings will be published by the ICDM and distributed during the workshop. At least one of authors of accepted papers must present their paper at the workshop.

## Steering Committee

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