

Call for Papers

International Workshop on Privacy and Security Issues in Data Mining

Pisa, Italy, September 24, 2004

In Conjunction with the 8th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD'04)

Data mining attracted a lot of researchers especially in the past decade. Recently fears about privacy opened up another branch of research under data mining, namely privacy preserving data mining. One aspect of privacy preserving data mining is that, we should be able to apply data mining algorithms without seeing the confidential data values. This is a very challenging task that has been recently addressed. Another aspect is that, using data mining technology an adversary could access confidential information that could not be reached through querying tools jeopardizing the privacy of individuals. Some initial research results for ensuring the privacy against data mining results have been proposed in this area as well. Privacy preserving data mining research can still be considered to be at its early stages and a lot of work needs to be done. This workshop aims to bring together academicians for identifying problems related to both aspects of privacy preserving data mining with some possible solutions. Researchers and practitioners working in the area of data mining, databases, and statistics are invited to submit their experience, and/or original research results.

Topics for this workshop include but are not limited to:

- Statistical approaches to ensure privacy in data mining
- Threats imposed by data mining techniques to privacy and security together with possible remedies
- Statistical disclosure control applied to privacy preserving data mining
- New methodologies for privacy preserving data mining
- Security leaks in existing privacy preserving data mining techniques
- Privacy preserving data mining on e-commerce data
- Mining of watermarked data
- Privacy preserving data mining algorithms on distributed data sources
- Data quality and privacy measures for perturbed data
- Ensuring anonymity of the data mining results

Submission

Authors are invited to submit papers describing their original work electronically in PDF or postscript format via email to ysaygin@sabanciuniv.edu

The workshop will be organized by

Yucel Saygin

Sabanci University

Faculty of Engineering and Natural Sciences

Istanbul, Turkey.

Tel: +90 216 4839576

Fax: +90 216 4839550

email: ysaygin@sabanciuniv.edu

Program Committee

Chris Clifton, Purdue University, USA

Wenliang (Kevin) Du, Syracuse University, USA

Elena Ferrari, University of Insubria at Como, Italy

Michael May, Fraunhofer Institute for Autonomous intelligent Systems, Germany

Athena Vakali, Aristotle University of Thessaloniki, Greece

Stanley Oliveira, University of Alberta, Canada

Vassilios Verykios, University of Thessaly, Volos, Greece

Josep Domingo, Universitat Rovira i Virgili, Spain

Yannis Theodoridis, University of Pireaus, Greece

Vladimir Estivill-Castro, Griffith University, Australia

Important Dates

Submission deadline: June 25th, 2004

Notification of acceptance: August 16th 2004

Camera ready papers: August 30th, 2004

Workshop: September 24, 2004