



İZMİR UNIVERSITY
Faculty of Art and Science
Department of Mathematics and Computer Science

İzmir
Applied Mathematics and Computer Science
Seminars

May 20, 2010 Thursday, 13:30

**AN OVERVIEW OF FUZZY AND CRISP
CLUSTERING ALGORITHMS**

Speaker:

Assist. Prof. Dr. Gözde ULUTAGAY
Department of Industrial Engineering
Izmir University

Place:

İZMİR UNIVERSITY
FACULTY OF ART AND SCIENCE,
DEPARTMENT OF MATHEMATICS AND COMPUTER
SCIENCE
ROOM: A302



İZMİR UNIVERSITY
Faculty of Art and Science
Department of Mathematics and Computer Science

**AN OVERVIEW OF FUZZY AND CRISP CLUSTERING
ALGORITHMS**

Assist. Prof. Dr. Gözde Ulutagay
Department of Industrial Engineering
Izmir University

Abstract

Data mining is a modern and crucial technology which leads to effective results by means of bringing mathematical methods and computerized data analysis together. In scientific journals, data mining, together with nanotechnology, biotechnology, and some other fields of technology, is among the most efficient 10 technologies that changes the world. Among the vital tools of data mining, perhaps, clustering is the most important one. Clustering problems require significant infrastructure both mathematically and algorithmically. The aim of this presentation is to address the mathematical and algorithmic aspects of crisp and fuzzy clustering techniques and to illustrate computer applications.