



## *colloquia@iasi*



*"La mente è come un paracadute.  
Funziona solo se si apre"  
A. Einstein*

### **Construction and Applications of Comprehensible Subgroups**

**Prof. Klaus Truemper**

*Department of Computer Science, University of Texas at Dallas*

#### Abstract

Subgroup Discovery demands the construction of characterizations of interesting subsets from a given data set.

We present a discovery process where the characterizations of the subgroups are comprehensible by humans in the sense that they can become part of human reasoning about the underlying subject area.

The presentation includes applications in oncology, neurology, and engineering.