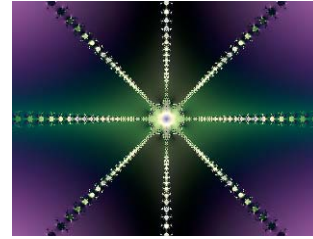


2nd International Workshop on Visual Data Mining



VDM@ECML/PKDD2002

in conjunction with [ECML/PKDD2002](#) - The 13th European Conference on Machine Learning and The 6th European Conference on Principles and Practice of Knowledge Discovery in Databases, 19-23 August, 2002, Helsinki, Finland

Seeing may be believing or disbelieving, but above all, data analysis involves visual, as well as statistical, understanding. This phenomenon, pointed by John W. Tukey, was the motivation for organising the first workshop on visual data mining as part of ECML/PKDD conferences. Participants of the workshop considered 'visual data mining' as a collection of interactive reflective methods that support exploration of data sets by dynamically adjusting parameters to see how they affect the information being presented. This emerging area in explorative and intelligent data analysis and mining is based on the integration of concepts from computer graphics, visualisation metaphors and methods, information and scientific data visualisation, visual perception, cognitive psychology, diagrammatic reasoning, visual data formatting and 3D collaborative virtual environments for information visualisation. It offers machine learning and data mining community powerful means of analysis that can assist in uncovering patterns and trends that are likely to be missed with other non-visual methods. Visual data mining techniques offer the luxury of being able to make observations without preconception.

The goal of the workshop is to provide a forum for presentation and discussion of the newest both mature and greenhouse ideas, research and developments in the methods and techniques for visual data mining and to identify the short- and long-term research directions in the field.

TOPICS OF INTEREST

The scope of the workshop covers the intersection of broad range of disciplines. The major topics of the workshop include but are not limited to:

- methods for visual data analysis
- multimedia support for visual data mining
- data and knowledge representation and metaphors visualization for visual data mining
- metrics for evaluation of visual data mining methods
- virtual environments for data visualisation and exploration
- visual reasoning and cognitive aspects of visual data mining
- results validation
- complexity, efficiency and scalability in visual data mining
- fractals visualisation - fractal dimensions, self-similarity and symmetry - in visual data mining
- immersive visual data mining in virtual reality systems
- collaborative visual data exploration and model building
- interactivity and iterativity in visual data mining
- frameworks for visual data mining and its integration with other data mining approaches

We also encourage submissions, which present early stages of research work, software applications and demonstrations of research and development projects.

SUBMISSIONS

We encourage submissions of 10-15 pages. Contact author and email address should be specified. Electronic submissions in either PDF, PS, RTF or Microsoft Word Document format are preferable. Please, e-mail electronic submissions to simeon@it.uts.edu.au with subject "VDM@ECML/PKDD2002 Submission".

DISSEMINATION

Peer-reviewed submissions, accepted for presentation at the workshop will be published in the workshop proceedings. Extended and revised paper-oriented versions of selected submissions will be published in a book by Springer-Verlag or Kluwer Academic Publishers.

IMPORTANT DATES

Submission deadline: 24 May 2002
Acceptance notification: 14 June 2002
Camera ready copy: 1 July 2002
Workshop day: 19 or 20 August 2002

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