Pattern Recognition (Elsevier) Special Issue on

Learning Semantics from Multimedia Content

*** Guest Editors ***

Dacheng Tao	*The Hong Kong Polytechnic University*	dacheng.tao@gmail.com
Xuelong Li	*University of London*	xuelong_li@ieee.org
Yuan-Yan Tang	*Hong Kong Baptist University*	yytang@comp.hkbu.edu.hk

It has been recognized the importance of targeting the semantics from the multimedia content for multimedia database management. Pattern recognition is one of the most important techniques to achieve this objective and the last three years has witnessed very significant contributions of learning algorithms in semantics targeting.

Pattern recognition techniques, such as subspace methods, kernel machines, manifold learning, semi-supervised learning, and graphical models, have great influence on mining the semantic information from labeled and partially labeled examples. These techniques light a way to make the semantic targeting come true. At least, they provide us a reasonable direction to touch the semantic targeting. The topics of this special issue include, but are *not* limited to, the following:

*** Topics ***

- Interactive mechanism in multimedia systems
- Learning techniques for multimedia research
- Log file mining in multimedia systems
- Multimedia content annotation and semantic targeting
- Multimedia information indexing
- Perceptive multimedia information retrieval
- Specific multimedia content management
- Visual learning and cognitive multimedia computing
- Web-based multimedia information browsing and search

*** Important Dates ***

Manuscript submission:	20 December	2007
Preliminary results:	20 April	2008
Revised version:	20 June	2008
Notification:	20 August	2008
Final manuscripts due:	20 September	2008
Anticipated publication:	Autumn/Winter	2008

*** Submission Information ***

Pattern Recognition EES website: http://ees.elsevier.com/pr/
EES Tutorial Link: http://www1.elsevier.com/homepage/san/epdmarcomms/ees_tutorials/index.html