# Intelligent Multimedia Systems – 2012 – Required Readings

T. Gevers, *Color in Image Search Engines*. In Principles of Visual Information Retrieval (M.S. Lew, ed.), London: Springer-Verlag, 2001. **(Lecture 3**)

*Shading and Color Models.* **(Lecture 3)**

M.J. Berry and G. Linoff, Data Mining Techniques, Chapter 10: *Automatic Cluster Detection*, pp. 187-215, John Wiley & Sons, 1997. **(Lectures 4-5)**

T. Gevers and A.W.M. Smeulders, *Content-based Image Retrieval: An Overview*, in Emerging Topics in Computer Vision (G. Medioni and S.B. Kang), Prentice Hall, 2004. **(Lectures 2-4)**

Zhao, W., Chellappa, R., Phillips, PJ and Rosenfeld, A., Face recognition: A literature survey, ACM Computing Surveys (CSUR), 35(4), 399—458, 2003. **(Lectures 6-7)**

Frintrop, Rome, Christensen, "Computational Visual Attention Systems and Their Cognitive Foundations: A Survey," *ACM Transactions on Applied Perception*, Vol. 7, No. 1, Article 6, 2010. **(Lecture 6)**

D.G. Lowe, *Distinctive Image Features from Scale-Invariant Keypoints*, International Journal of Computer Vision, 2004. **(Lectures 4-5)**

K.E.A. van de Sande, T. Gevers, C.G.M. Snoek, *Evaluating Color Descriptors for Object and Scene Recognition*, IEEE transactions on Pattern Analysis and Machine Intelligence, 2009. **(Lectures 4-5)**

Comaniciu, V. Ramesh and P. Meer, Real-time Tracking of Non-Rigid Objects using Mean Shift, (Hilton Head Island, South Carolina, USA), pp. 42- 151*, IEEE Conference on Computer Vision and Pattern Recognition*, 2000. **(Lecture 5)**

Nummiaro, K. and Koller-Meier, E. and Van Gool, L., An adaptive color-based particle filter, *Image and Vision Computing*, 21(1), pp.99-110, 2003. **(Lecture 5)**

Turaga, P., Chellappa, R., Subrahmanian, V.S., Udrea, O., Machine recognition of human activities: A survey*, IEEE Transactions on Circuits and Systems for Video Technology*, 18(11), 2008. **(Lecture 7)**

Sharma, R., Pavlovic, V.I., Huang, T.S., "Toward multimodal human-computer interface", *Proceedings of the IEEE*, 86-5, 853-869, 1998. **(Lecture 6)**

R. Cowie, E. Douglas-Cowie, N. Tsapatsoulis, G. Votsis, S. Kollias, W. Fellenz, and J.G. Taylor, "Emotion Recognition in Human-Computer Interaction," *IEEE Signal Processing Magazine,* pp. 32-80, Jan. 2001. (Lecture 7)