

Yuee Liu

BEng & MEng in NWAUFU (China)

Thesis Title:

Ontology-based Image Annotation

Supervisors:

Dr Jinglan Zhang (Principal)

Dr. Dian W. Tjondronegoro (Associate)

Associate Professor Shlomo Geva (Associate)

Citation:

This thesis is a comparative study of image annotation. It explores the use of ontology and machine learning techniques in automatic image semantic annotation. Significant contributions have been made towards next generation multimedia semantic web. The research outcome proves that the use of ontology can significantly improve traditional image annotation methods and it provides a new opportunity for many multimedia-based applications.