

OPEN SEMINAR SERIES

TUESDAY 12th December 2006
13:00 – 14:00

SEERC Seminar Room
SEERC Bldg

**“Semantic Web based Knowledge Systems and its
applications in Digital Culture”**

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ABSTRACT

The Semantic Web is an extension of the current web in which information is given well-defined meaning, better enabling computers and people to work in cooperation. The semantic web needed by the scientific and business community for more efficient information access and analysis (machine readable and understandable), to provide a common data representation and definition framework, facilitate integrating multiple sources and increase the utility of information by explicitly connecting it to its definition and context. Today explicit and tacit knowledge are stored in multimedia files unstructured and semi structured data. A knowledge system retrieves captures and represents knowledge from all these files and types of data. A semantic web based knowledge management system acquires, organises, processes, shares and uses the knowledge embedded in multimedia content and unstructured data and maximises automation of the complete knowledge lifecycle. A major application of such systems is the integration and management of digital content and the integration of digital heritage resources. Semantic web based knowledge system Web will enable the heritage sector to make its information available in meaningful ways to researchers and the general public. The technologies that used for this scope and will presented with the appropriate examples from the digital culture are: Semantic web architecture, Ontologies and Owl language for content management, semantic web services for information exchange and data mining techniques from multimedia content.

The seminar series is open to all members of *staff and students* of CITY and to any *externals* that wish to attend.