

Big Data and Analytics Research Group (BDARG)

Our next meeting will take place on Wednesday, Week10 (8th April) at 10.00 in CSG-027.

Hai-Yang Zhang

will present recent work of her's entitled

"Semantic-Based UCWW Service Recommendation" (abstract below).

Since January 2013 the Big Data and Analytics Research Group (BDARG) in the CSIS department have been meeting and discussing topics of relevance and of interest.

If you wish to be notified of future talks you can join our mailing list via our web page

<http://bdarg.visualinsight.org/>

Fáilte roimh cách.

Paddy Healy, Nik Nikolov, Co-chairs.

Abstract:

We present a roadmap to the design of a context-aware service recommendation system utilising semantic knowledge in the Ubiquitous Consumer Wireless World (UCWW). The main objective of the system is to provide users with the 'best' service instances that match their dynamic, contextualised and personalised requirements and expectations, thereby aligning to the always best connected and best served (ABC&S) paradigm. Conventional recommendation systems usually recommend instances of the same type. However, target services to recommend in UCWW typically vary in types.

We propose a semantic-based recommendation framework in which services and their related attributes are modelled dynamically as a heterogeneous network, named a UCWW heterogeneous service network (HSN), by collecting and extracting service information. We model user profiles by finding profile kernels which are the minimal set of features describing user preference.

Subsequently, a recommendation engine considering both user profiles and current context (user- and network context) will be applied to recommend 'best' service instances to users.