



This is a repository copy of *Visualisation of Large Semantic Datasets: A Scalable, Generic and Aesthetic Approach*.

White Rose Research Online URL for this paper:
<http://eprints.whiterose.ac.uk/87995/>

Conference or Workshop Item:

Mazumdar, Suvodeep (2014) *Visualisation of Large Semantic Datasets: A Scalable, Generic and Aesthetic Approach*. In: *USES 2014 - The University of Sheffield Engineering Symposium*, 24 June 2014, The Octagon Centre, University of Sheffield.

10.15445/01022014.20

Reuse

Unless indicated otherwise, fulltext items are protected by copyright with all rights reserved. The copyright exception in section 29 of the Copyright, Designs and Patents Act 1988 allows the making of a single copy solely for the purpose of non-commercial research or private study within the limits of fair dealing. The publisher or other rights-holder may allow further reproduction and re-use of this version - refer to the White Rose Research Online record for this item. Where records identify the publisher as the copyright holder, users can verify any specific terms of use on the publisher's website.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Visualisation of Large Semantic Datasets: A Scalable, Generic and Aesthetic Approach

Suvodeep Mazumdar

Department of Computer Science, University of Sheffield

Abstract

With data continuously generated as a result of daily activities within large organisations and new data sources (sensors, datasets etc.) introduced as sources of semantic data, a significant growth of semantic knowledge within organisations is observed. Several organisations have already started integrating Linked Data (LD) within their enterprise and many success stories have emerged that are seen as great examples of the Semantic Web effort in the enterprise. A multitude of visualisation methods have been proposed by the community, ranging from standalone visualisation systems to web based mashups and browsers. However, most of such methods suffer from two major drawbacks: genericity and scalability. This talk presents recent work in alleviating such issues, and highlights the need for User Centred Design processes and aesthetic design principles in designing semantic web solutions for exploring large semantic datasets.