



# University of HUDDERSFIELD

## University of Huddersfield Repository

Holmes, Violeta

Grid enabled E-Learning

### Original Citation

Holmes, Violeta (2008) Grid enabled E-Learning. In: VIPSI-2008 PISA: Knowledge Engineering, Tutorials and Brainstormings, 10-13 July, Pisa, Italy.

This version is available at <http://eprints.hud.ac.uk/5362/>

The University Repository is a digital collection of the research output of the University, available on Open Access. Copyright and Moral Rights for the items on this site are retained by the individual author and/or other copyright owners. Users may access full items free of charge; copies of full text items generally can be reproduced, displayed or performed and given to third parties in any format or medium for personal research or study, educational or not-for-profit purposes without prior permission or charge, provided:

- The authors, title and full bibliographic details is credited in any copy;
- A hyperlink and/or URL is included for the original metadata page; and
- The content is not changed in any way.

For more information, including our policy and submission procedure, please contact the Repository Team at: [E.mailbox@hud.ac.uk](mailto:E.mailbox@hud.ac.uk).

<http://eprints.hud.ac.uk/>

# **Grid-enabled e-Learning**

**Dr. Violeta Holmes**  
**School of Computing and Engineering,**  
**The University of Huddersfield, UK.**  
*v.holmes@hud.ac.uk*

## **Abstract**

In the last few years Grid Computing Technology, an innovative extension of distributed computing, is becoming an enabler for computing resource sharing among the participants in “Virtual Organisations”. The technologies of Grid Computing are evolving with open standards such as Open Grid Services Architecture (OGSA).

In this paper we are considering the adoption of Grid Computing Technology in a “Virtual Organisation “of Higher-Education (HE) institutions. We will concentrate on the resources and knowledge sharing (virtual e-lecture e-learning) among colleges and universities in West Yorkshire, UK, enabled by the Grid. Within this context, it is important to focus on standards that support resource and information sharing, toolkits and middleware solutions that would promote Grid adoption among the HE institutions in the Virtual HE organisation.

With the cost of Further Education and Higher Education programmes delivery rising due to hardware and software resources cost, we propose that the Grid technology could deliver benefits to the HE provision on the regional, national or even international level.