

intelligent multimedia*

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Abstract

In this presentation we will outline the requirements for a software platform supporting *intelligent multimedia*. These requirements encompass computational concerns as well as presentation facilities, providing a suitably rich environment for applications deploying rich media.

We will then propose a platform based on the distributed logic programming language DLP and X3D, the extensible Web3D format. A number of case studies will be described, illustrating the potential of the DLP+X3D platform, including a multi-user game with autonomous players, avatars commenting on rich media presentations, and a gesture scripting language for humanoids based on dynamic logic.

In conclusion, we will discuss related work and review the evaluation criteria that pertain to the deployment of agent-based rich media 3D environments.

*<http://www.cs.vu.nl/eliens/research/media/present-media.html>