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Personal Inquiry: 3D Video Projection Mapping

Annotated references and bibliography:

(Ricket, 2006, pp. 51, 81-84) – This resource gave me a brief history and technical breakdown of projectors and how they work.

(EISENBERG, 2010) – *The Ever Widening World of Tiny Projectors*. Article about interactive micro projectors, their use and future potential.

(Alvaro Cassinelli, 2010) – *Scorelight*, a brief article about an instrument that produces audio signals derived from the contours of images placed in front of it using a laser projection method. This demonstrates an alternative interpretation of light projection.

(Lawrence Bogaert a, 2010) – *Stereoscopic Projection, expanding the colour gamut of projected images*. This paper describes a technique of enhancing the colour output of digital projectors in order to obtain a richer spectrum of projected colours. Another insight in to the potential of this medium in the future.

(Max Grosse, 2009) - *Adaptive apertures for enhanced depth of field on projection surfaces*. This article describes the difficulties and one possible solution to the problem of projecting on to curved surfaces, whilst retaining a crisp focused image.

(Seyoung Pyo, 2007) - *iProCam: A Lens-sharing Projector-Camera System for Augmented Reality Applications*. This paper demonstrates an example of how this technology is developing into a more advanced and interactive form of entertainment. This system reduces the amount of equipment needed to create a display by combining projector and camera in one, as well as delivering an interactive experience.

(Alex Olwal, 2005) - *ASTOR: An Autostereoscopic Optical See-through Augmented Reality System*. This article represents another insight into the developments of this medium and potential for future development. It describes an interactive, augmented reality, camera/projector set-up.

(LDSystems; LDSystems) – New Years Eve, Sugarland Texas, USA. A 3D Video Projection Mapping sequence. An excellent example of this technology in situ.

(Projection-Advertising-Ltd, 2010) – Various examples of 3D projection mapping in an advertising context. Examples of how this technology is being utilised by large brands as a marketing tool.

(urbanscreen.com) – 3D projection of a hand. 'Kubik Gallery' Hamburg, Germany. This video sequence demonstrates another style of implementation with this technology. The use of projection mapping in this example is more artistic and not involved in any kind of advertising or branding campaign.

(NeoProj, 2009) – Various displays of interior and exterior projection mapping, both large and small scale. This company delivers high-end, creative displays of video mapping. These videos are an excellent example of current trends in projection mapping.

(Francois Wunschel) – Projection mapping and tracing around the lines of a tennis court. This example gives a slightly more alternative demonstration of projection mapping. It is used here purely as a form of entertainment and references early computer games as a theme throughout the sequence.

(Gleuh) – Projection mapping with Wiimote. This resource provides a brief demonstration of how multiple projectors can be set-up to display on various sides of an object, creating a fully 3D display.

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Lawrence Bogaert a, *. Y. (2010, January 7).

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