

The Documentation and Archiving of Mixed Media Experiences: the Case of *Rider Spoke*

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ABSTRACT

This paper introduces the early stages of the research conducted by an interdisciplinary team in Horizon, comprising staff from Computer Science and Performance Studies, who, in collaboration with artist company Blast Theory, Stanford Libraries, British Libraries, the San Francisco Art Institute, the Ludwig Boltzman Institute Media.Art.Research, and Sheffield University, have devised a new form of interactive archive, the CloudPad, for the documentation and archiving of mixed media experiences.

Categories and Subject Descriptors

H.5.3 [Information Systems] Group and Organization Interfaces – Collaborative Computing.

General Terms

Human Factors, Design

Keywords

Archiving, documentation, performance, cloud, trajectory

1. INTRODUCTION

Documenting and archiving productions of various kinds is important to the creative industries, both for their scholarly and wider cultural value. This is not only because such productions persist in time only as documentations, or archives, but also because it is increasingly the case that audiences want to record and even replay their experiences. But how is this to be done for emerging forms of experience that increasingly mix digital media with diverse physical locations and artifacts, for example pervasive games and performances that take place on the city streets? We report on an ongoing project to explore the practices and technologies of documenting and archiving such experiences.

The technical aim of our project is to provide a customisable web-based platform that allows the synchronised playback of cloud-based media entities (e.g. YouTube videos, audio files) together with layers of annotations by different users. Members of the team had previously collaborated on a documentation of Blast Theory's pervasive game for mobile phones *Day of the Figurines* (2006) using a wiki [1], and had developed a pilot case study of a digital archive of *Rider Spoke* as part of the EPSRC-funded Creator project using the Digital Replay System (DRS), an open source software tool developed by the Mixed Reality Lab at the

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University of Nottingham used by researchers in the social sciences [2]. An evaluation of the two projects indicated that to best capture the user experience it was crucial to conduct bespoke documentations of artworks (including interviews to participants). The team also found that it was important to add further materials about the creative and research processes (including interviews to artists and technologists), as well in game data [3]. The development of the CloudPad was therefore structured in three parts: the collection of a bespoke documentation of Blast Theory's *Rider Spoke*; the creation of the CloudPad prototype; and the development and evaluation of the CloudPad archive. At this stage, the first two phases of the project have taken place, while the user-led annotations and evaluation will occur in September 2010. In this paper, we offer an early assessment of the first two stages of our work in the context of our broader research on user trajectories through a mixed reality experience [4] and consider the use and value of the contextual footprint generated by such an archive [5].



Figure 1. *Rider Spoke* documentation.

2. CREATING A DIGITAL ARCHIVE: THE *RIDER SPOKE* DOCUMENTATION

Content-wise, the prototype archive was built around a documentation of Blast Theory's *Rider Spoke* when it occurred in Linz (Austria) during the ars electronica festival (2009). *Rider Spoke* is a location-based game for cyclists developed by Blast Theory in collaboration with Mixed Reality Lab as part of the European research project IPerG [6]. The work encouraged participants to cycle around a city in order to record personal memories and make statements about their past, present and future that were associated with particular locations. The piece, which has so far been experienced by over 2000 participants and has toured in the UK, Europe, South America and Australia, also allowed participants to find and listen to the responses of preceding players. These were built over time, as each day's

