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Ritual Fire at Virtual Stonehenge

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This poster paper presents the creation and testing of ritual fires at a virtual Stonehenge site. This interdisciplinary research project drew together expertise from subject areas including 3D modelling, animation, digital video, music technology and ethnography to begin to reconstruct and visualise the stone circle and Stonehenge site using traditional archive data methods, contemporary digital tools and technologies. The researchers are providing collaborative evidence of their methods to demonstrate how virtual models can be used to see, think, interpret and analyse monuments, ritual sites and their uses. The animation accompanying the poster can be viewed on youtube.com which demonstrates how a phenomenological and experiential exploration of a site might provide archaeologists, historians and heritage visitors with non-destructive interactive experiences and virtual visitor access.

The main focus of this poster paper is to show ongoing research on adding physical environmental effects in particular to begin to re-construct an anthropological and virtual representation of the Stonehenge monument. The researchers seek what can be learned by researchers being involved in virtual reconstructions, what insights can be gained by exploring a reconstructed site virtually. The research investigates the advantages and difficulties of an interdisciplinary approach for the project being carried out within a creative arts context rather than within archaeology. The importance of the collaborative relationships between professionals from Art, 3D Design, and Music technology became increasingly apparent as the project evolved, accumulating the data which has begun to situate the discussion within a theoretical framework.

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