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HYBRID: TRANSDISCIPLINARY: TRANSFORMATIVE: An instance of travelling in practice-led research: Talk in 5 minutes

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PHD BY DESIGN SATELLITE SESSION AT LEEDS COLLEGE OF ART 14 May 2015



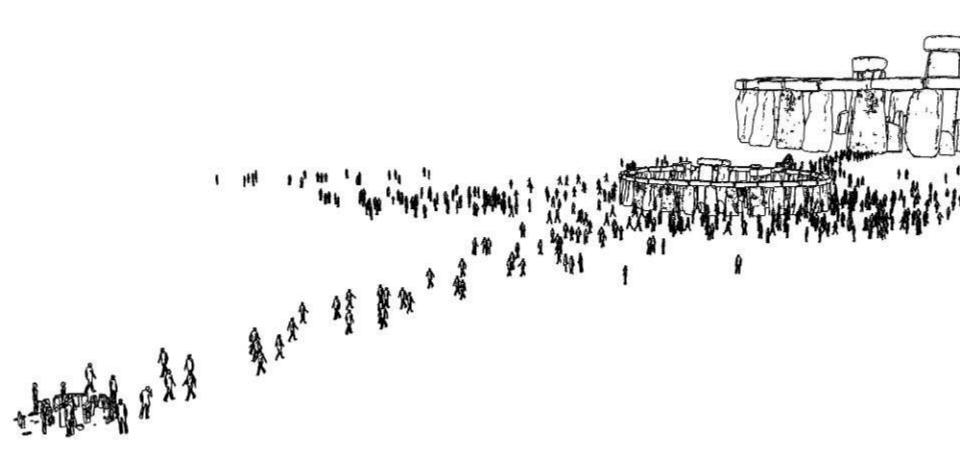
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HYBRID: TRANSDISCIPLINARY: TRANSFORMATIVE

An instance of travelling in practice-led research: Talk in 5 minutes

ANDREW TAYLOR
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UNIVERSITY OF HUDDERSFIELD

HYBRID: TRANSDISCIPLINARY: TRANSFORMATIVE

An instance of travelling in practice-led research: Talk in 5 minutes

ANDREW TAYLOR

SCHOOL OF ART, DESIGN & ARCHITECTURE UNIVERSITY OF HUDDERSFIELD

Hybrid practices with (or without) digital or interactive technologies can transport us to unexpected new spaces and places; On our nomadic practitioner journeys we transform: move, change and co-evolve through thinking and experimenting with tools, creating objects, artefacts, experiences, new ways or methods, languages, and production paradigms.

I collaborated on various phases of practice led trans disciplinary experimental immersive archaeological research concerned with understanding ritual praxis of Neolithic makers of Stonehenge. The sites, data and research we experienced, sourced, surfaced, cleaned, modelled, sculpted and the artefacts and music we created, performed, exhibited, navigates, maps and reflectively records a truly unique journey through space and time.

During the progressive phases of practice led transdisciplinary research, we gained a deeper understanding into how people and technologies make a human contribution to dissolving of physical and disciplinary boundaries. And how through cultural exchange we learn more about being more open to encouraging creative approaches of this nature to positively transform and transcend us as practitioners and the disciplines themselves now and into the future.



Taylor, A (August, 2009). Image recorded at Sunrise: Inner Stone Circle Access granted by English Heritage

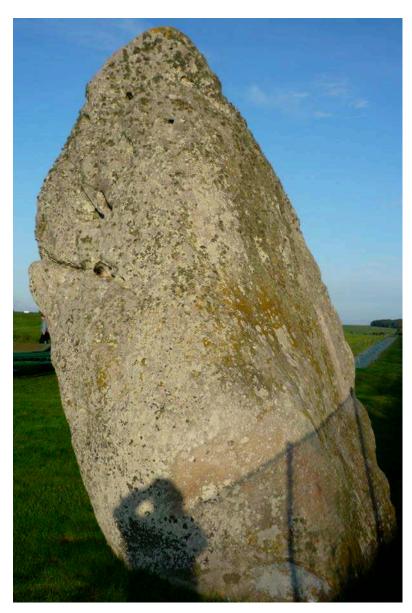


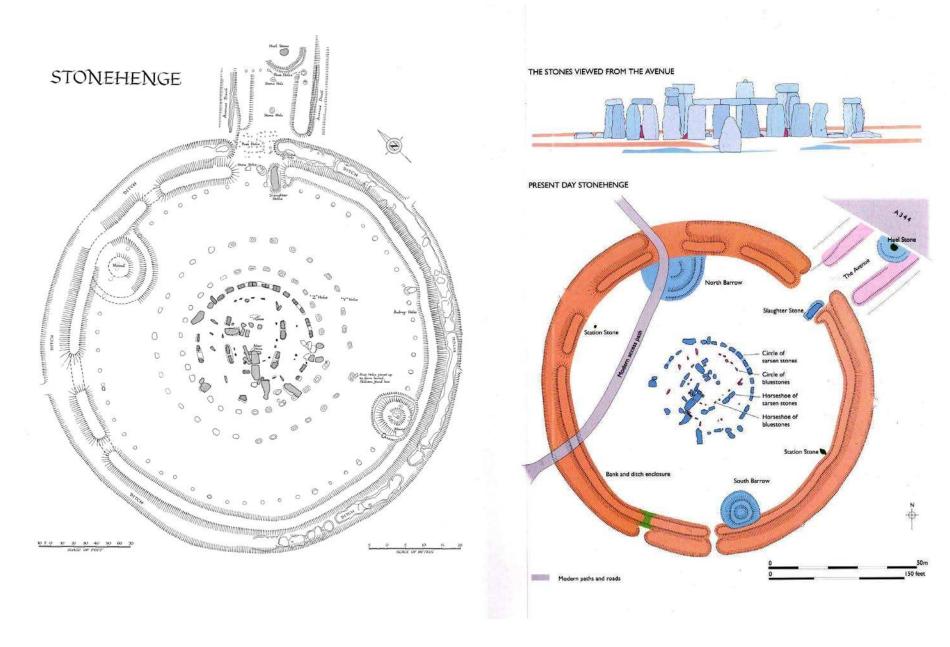
Image recorded at Sunrise: Inner Stone Circle Access granted by English Heritage



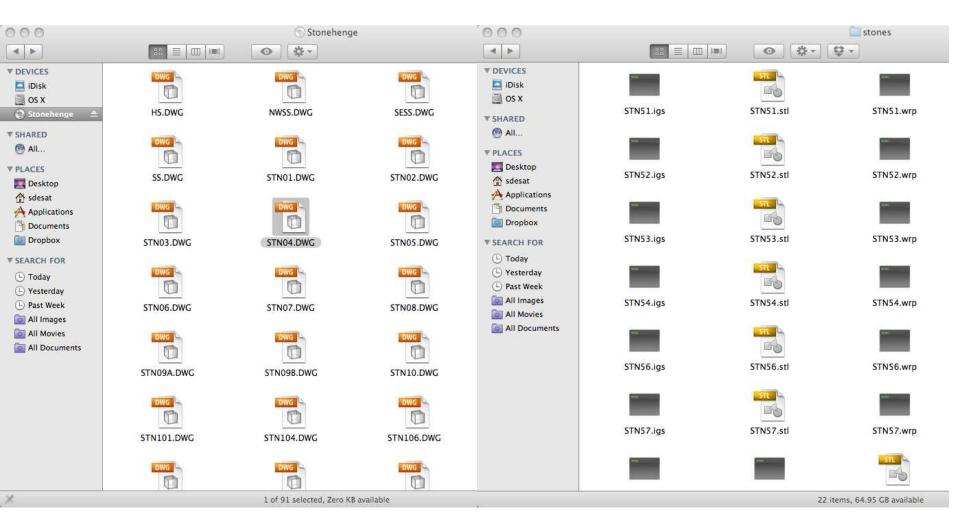
Taylor, A (2009) Sourced at Stonehenge site visit as tourist. August.



Digital photographic images of stones recorded during Stone circle access for 3D texturizing

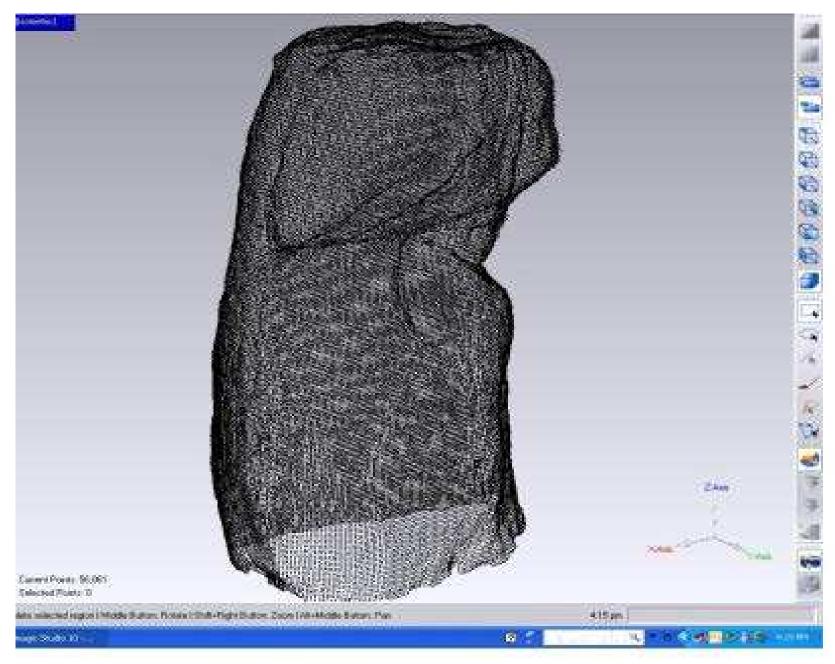


Stonehenge Survey engraving c.1740 Source: English Heritage National Monument Record Archive, 2009. Contemporary Stonehenge publication Illustrations English Heritage Guidebook (2005) Sourced Stonehenge Visitor Centre

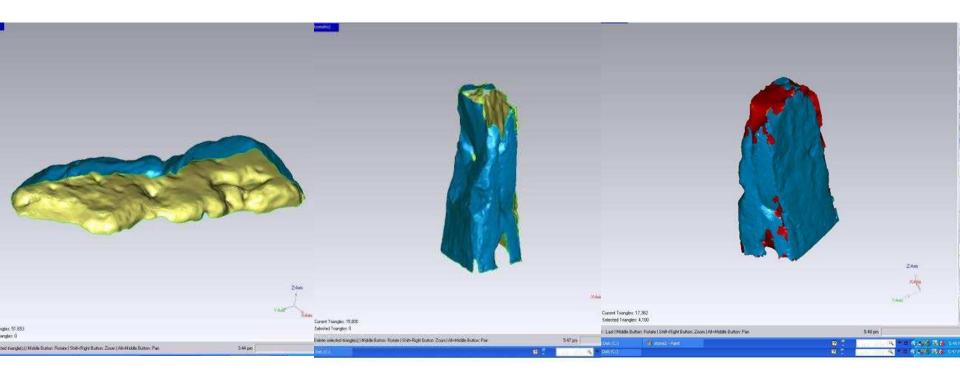


Categorizing the Stone scan cloud data files.

Conversion of stone scan files into 3D files in 3D software

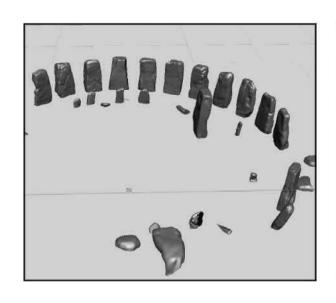


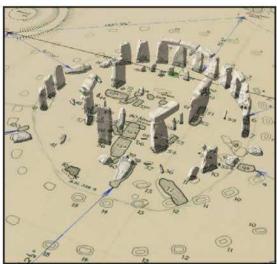
Point cloud data. Sourced from English Heritage - National Monuments Record, 2009

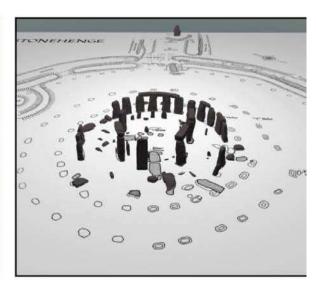


3D Scanning software processing and converting cloud data into 3D surfaces.

Rebuilding, filling and merging to generate a 3D surface to be imported into 3D modeling & animation software

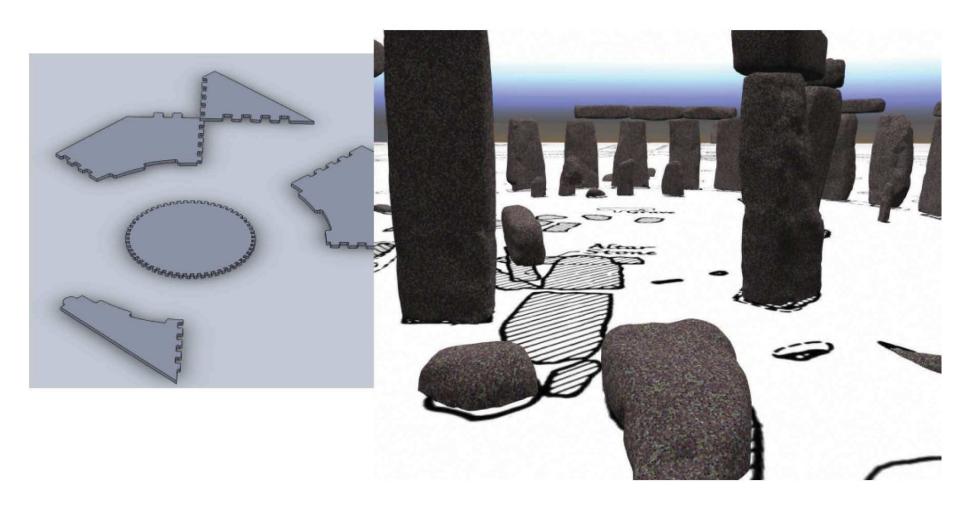




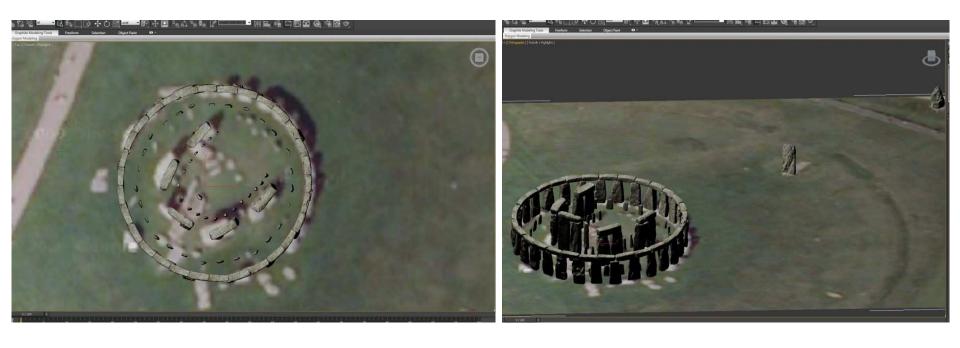


MA 3D Digital Design, Design Puzzle Project.

- Unver, Ertu, Taylor, Andrew and Hughes, Daniel (2010) <u>Poster Paper: Editable Artefact: Stonehenge Megalithic Puzzle</u> <u>Project.</u>
- In: University of Huddersfield Research Festival 2010, 8-18 March 2010, University of Huddersfield



3D Modeling in Autodesk Maya. Laser cutter to hatch the map on base and cut the fittings for stones.



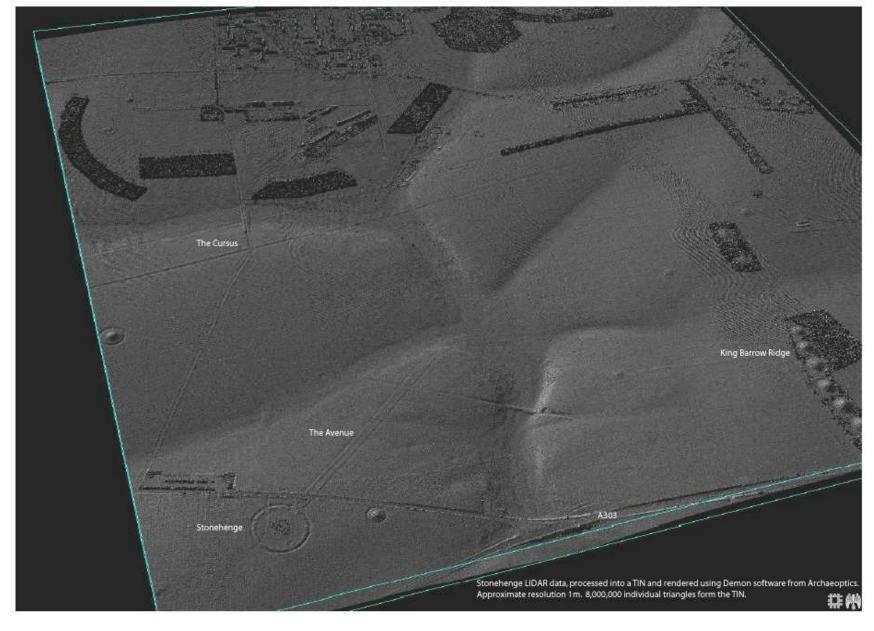
Google Map Satellite data:

Texture map applied in 3D software to evaluate and estimate the scale of the model and the approximate visual location of each stones

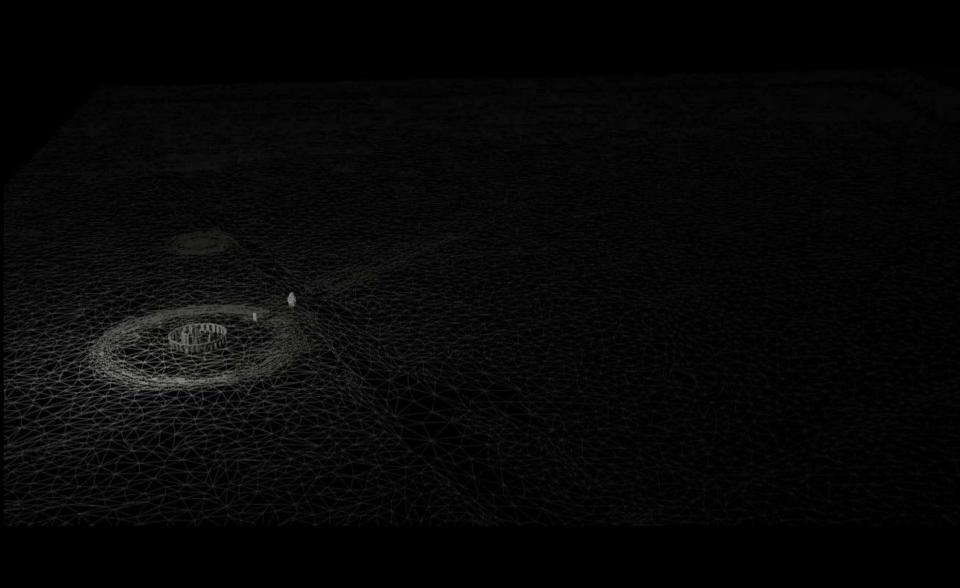
Quick Find : stonehenge



Google Map measuring tools used to select area for sourcing the LIDAR Data



Stonehenge LIDAR data: Source: Archaeoptics and Geomatics



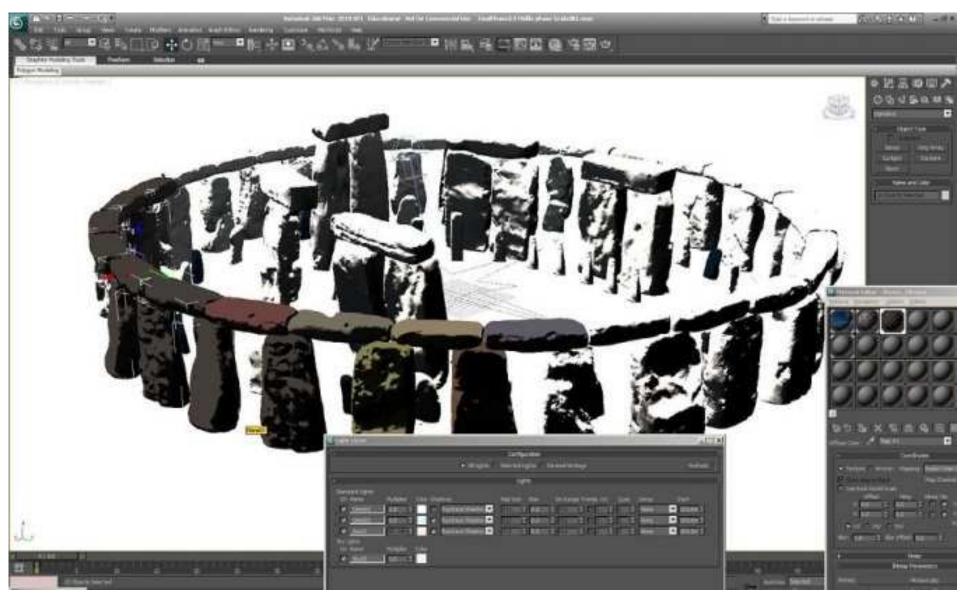


Non -textured 3D CG model of Stonehenge phase 3c, rendered test.

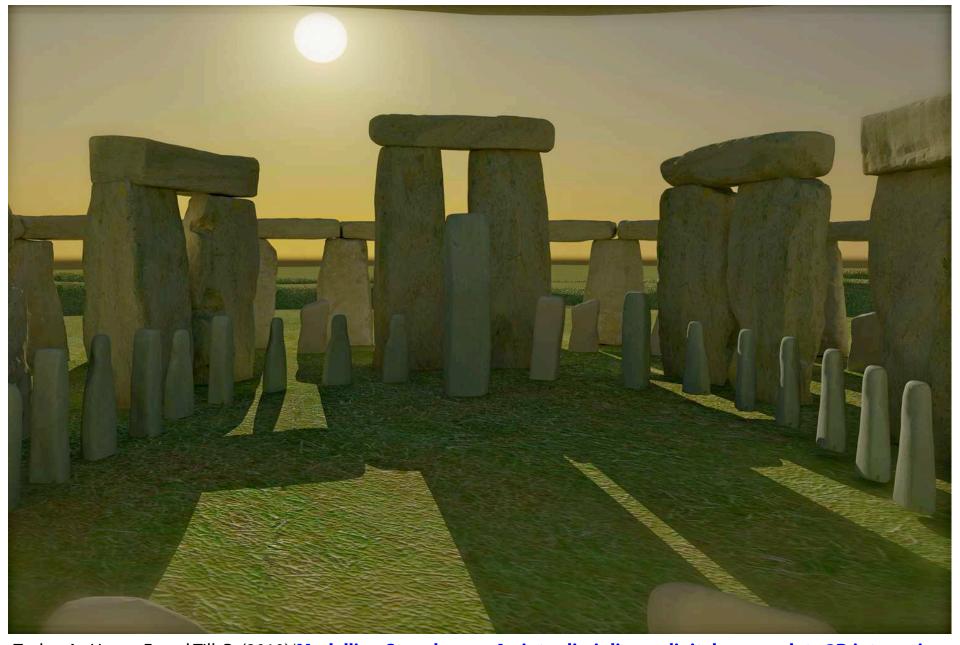
3D CG model of Stonehenge with human character added for scale and population



Digital photographic images of stones recorded during Stone circle access for 3D texturizing



Colour and texturing experiments for collating data of the 3D CG model of Stonehenge



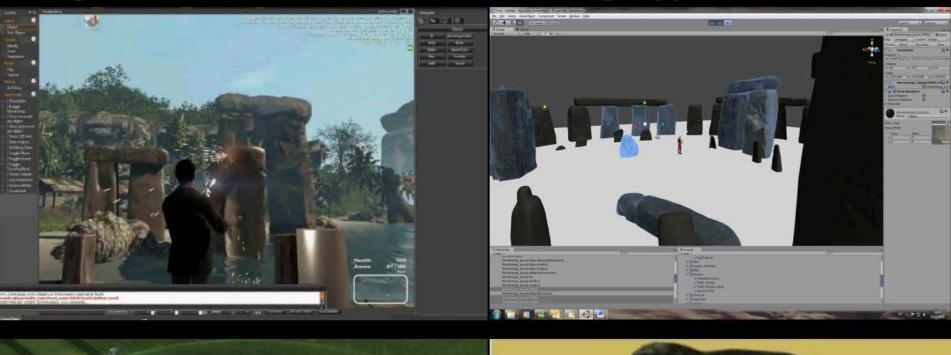
Taylor, A., Unver, E. and Till, R. (2010) 'Modelling Stonehenge: An interdisciplinary digital approach to 3D interactive storytelling'. In: TAG 2010: The 32nd Annual Conference of the Theoretical Archaeology Group, 17-19 December 2010, University of Bristol, UK



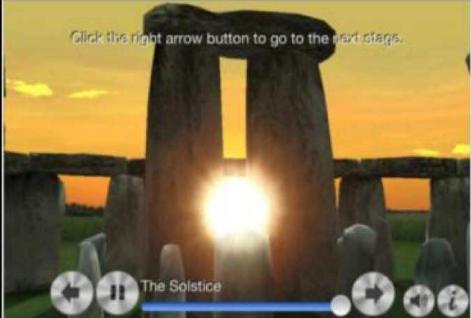
Till, R., Taylor, A. and Unver, E. (2011) '<u>Stonehenge Ritual Sound</u>'. In: Palaeophonics: a live multimedia performance event, 27 May 2011, George Square Theatre, Edinburgh. UK



3D game environments & Interactive heritage applications







HYPER NATURALISM & SIMULACRA IN STONEHENGE ART

liver and Taylor have exclared digitally a methodology that has interested makes and observes for decades, in the 1730; Water Serjamin in this sented discussion of Art in the Age of Wechanical Reproduction worked about the dethiction of authenticity and quito that reproductions of the reproduction allowed products in the disjoint field purpose and therefore making the accessable.

In 1977 Folland Sorther, therefore the emphasis of construction and understanding of innoviledge from the males to the speciator by proceeding that the author (in the case of Standards this sport for discussion) was no longer than should be supply for the sport for the sport of the sport of

Driver and Taylor, have teleged to relinate an immediate expetience through the Standardge Virtual Reconstruction research. Up for decade is whether their output really is another example of technological herflor or whether, because digital the and real file are now so decady interwheal they have enabled new speciations to be perceptually obsert to the stands and the surrounding alls.

[1] Related Barthes. Image Made Test [1970]. [2] Jean Boodstard, The Consumer Society [1970]





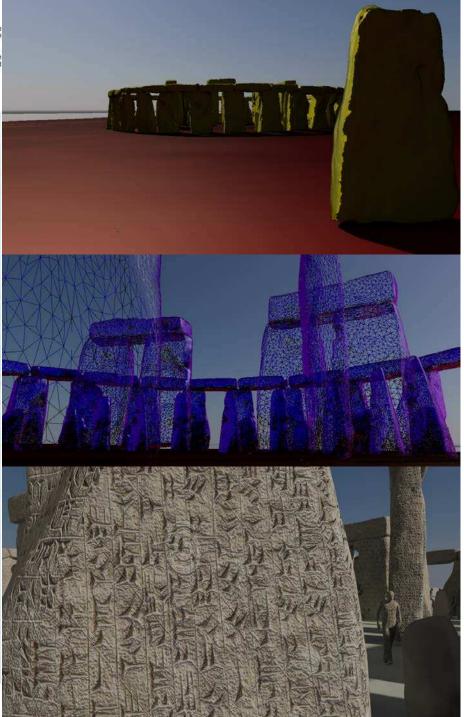












Andrew Taylor, Ertu Univer & Caterina Benincasa-Sharman.
University of Huddersfield, School of Art, Design & Architecture.
International Conference on Cultural Heritage, EUROMED 2012, CYPRUS.



