

# SHOGYU MUJO

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BARTKRESA design and Josh Harker



**Figure 1:** *Shogyu Mujo artistic rendering of installation*

## Abstract

Shogyo Mujo utilizes 360° projection mapping to take artistic sculpture to the next level as temporal dimensional artwork that pulsates to music. The skull is a three-dimensional structure designed by Josh Harker, with projection and animation developed by BARTKRESA design. With over 30 perfectly mapped animations, and an extensive set of real time looks, audiences at Siggraph will get a chance to experience the constantly changing artwork, and interact with the skull through a touch interface developed in collaboration with Coolux's Pandora's Box.

Shogyo Mujo is a transient 3D projection-mapped skull collaboration between design firm BARTKRESA design and artist Joshua Harker.

The installation represents the 1st of the 3 marks of Dharma which states that all things are impermanent. It is visualized through a myriad of mappings that create dozens of unique experiences

**CR Categories:** I.3 [COMPUTER GRAPHICS] I.3.7 Three-Dimensional Graphics and Realism - Animation

**Keywords:** art, design, projection mapping, 3D, sculpture

## Summary

As a three-dimensional structure with over 30 perfectly mapped animations, the installation showcases the technology of Adobe's Creative Suite, Coolux's Pandora's Box, and Christie Projectors.

Adobe Photoshop's new 3D capabilities allowed BKD to pre-visualize the texture mapping of the concept art during the design stage. BARTKRESA design collaborated with Coolux to develop an interactive 3D projection that allows the skull to receive input from several devices like iPhones, iPads, and MIDI controllers to shape, alter and interact with the animations, this interactivity of the sculpture allows BARTKRESA design to custom tailor the animations throughout the event

The Shogyo Mujo installation utilizes four Christie WU14K-M WUXGA DLP that wrap around the sculpture to achieve spectacular brightness of the surface.

## Contact Information

If you have questions or suggestions regarding this document, please contact [hello@bartkresa.com](mailto:hello@bartkresa.com)  
Project URL: <http://shogyomujo.org/>

## Acknowledgements

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