Virtual Presentation and Animation of Qingming Festival by The Riverside

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Contents

Multi-projector display wall based digital storytelling system?

- In this paper, we present a novel method to display a famous ancient Chinese painting for the purpose of cultural heritage preservation.

Related Works

- made a summary of the application of virtual reality and digital media to digital heritage preservation

- the key techniques of digital museum on the internet

- the prototype system of an immersive virtual museum

- a large screen projection system using 3 projectors to display an ancient street in Hangzhou

- many IBR applications to digital museum

- a novel method to tour into the picture by making animation from a single picture using spidery mesh.

Outline
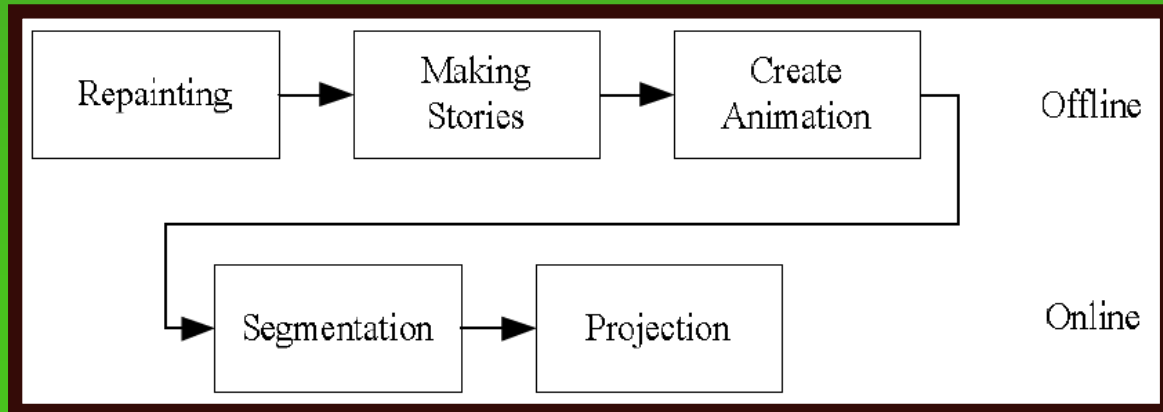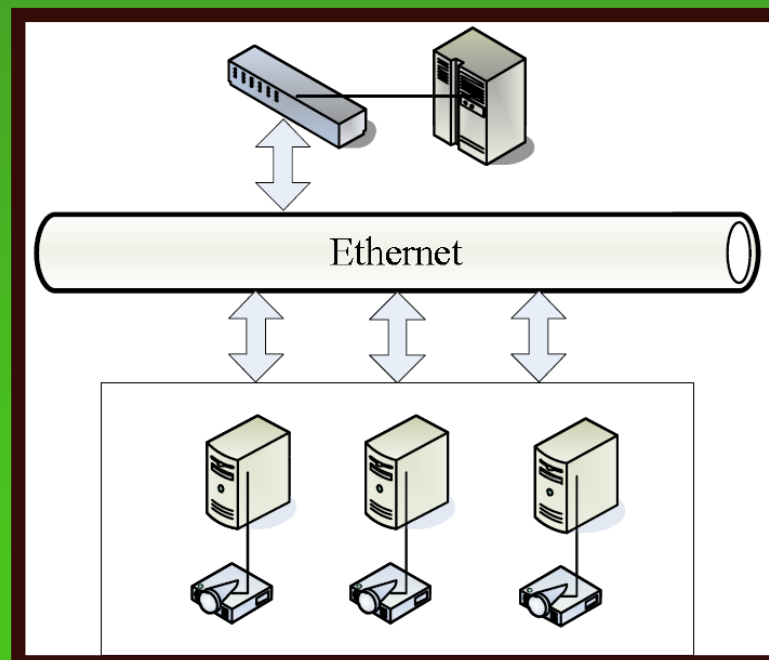

Figure 1. Qingming Festerval by The Riverside
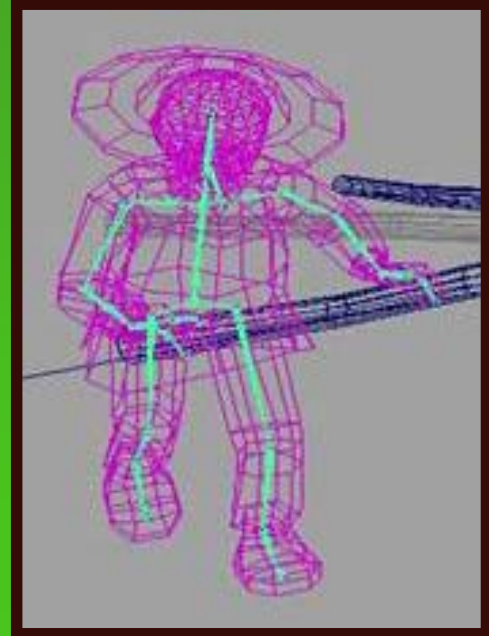

Figure 2. Procedure of our method

Projection system

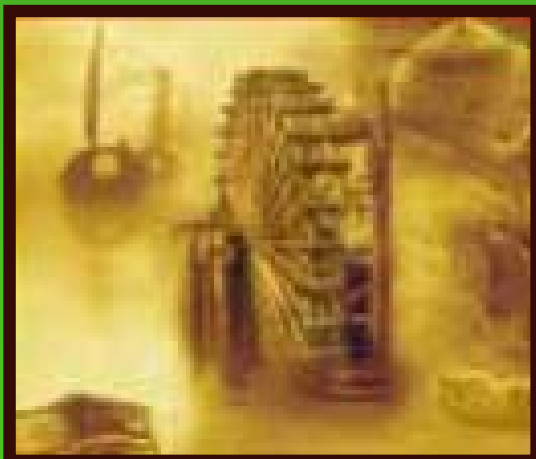- **Display wall : 6 meters high and 12 meters wide**

Creation of Animation

- To make the objects in the painting movable, we extracted them from the 2D background and animate them

- If the objects are characters, including humans and animals, we use skeleton-based character animation to drive them

Storytelling Design

- In order to make this static painting attractive and charming, the technology of digital storytelling is used

- So a script called *Qingming Story is composed* elaborately by us to show the magnificent scene along the river

Conclusions

- In this system, 15 projectors, 16 high-performance PCs and a multichannel switch are used for projecting a famous ancient Chinese painting on a very large display wall

- our system can only play animation video and there is no interactive capability