Tourism Informatics / 観光地理情報学特論 II 2014 #9 Panorama, 3D modeling, and Tourism

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Today's Goal

We look at 3D data modeling of the real world and its application services, especially in tourism domain, which gradually become popular these days



Do you know this device?

An example photo taken by RICOH Theta

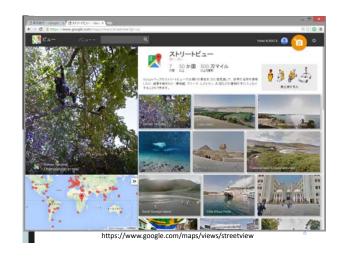






World-famous panorama service:

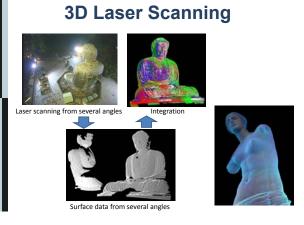
















What kind of services we can make with panorama & 3D modeling technologies?



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Virtual Globe Viewer









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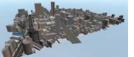
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Computer Games



Flight Simulator in Google Earth





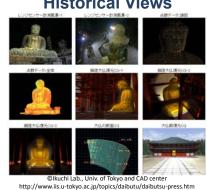
"Japanese Otaku City" by Zenrin

Digital Archiving





Virtual Restoration of Historical Views



Virtual Restoration of Historical Views



©Dept. of Geography, Ritsumeikan Univ. http://www.geo.lt.ritsumei.ac.jp/webgis/ritscoe.html

Projection Mapping



Image Archives on Street View Service



http://www.youtube.com/watch?v=VSQ9-6e2T28

Self-Driving Car



Data Collecting in the Next Generation

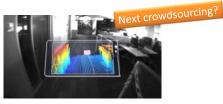


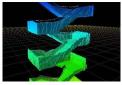
We can post our panorama photos to Google Street View



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Google's Project Tango







Use of Drones



Street View and Tourism



Street View for Tourism Promotion

- JTB (Japan Tourist Bureau) started a web site which introduces famous tourist destinations in Google Street View for promotion in 2012
- Japan Tourism Agency started to lease Google Street View Trekkers to six tourism destinations in 2014





JTB's web page



Virtual Tours

Nowadays many tourist destinations and hotels provide virtual tours



http://www.vrjordan.com/



Tour Weaver: a software for making virtual tour



We developed a FREE tool for making virtual tours!





Merits of "Zen-Sekai Guide-San"

- Anyone can create story-based virtual tours easily at home
- Tour targets can be anywhere in the world, as long as they are supported by Google Street View
- · Created tours can be released online
- It can be used for education





Today's Keywords

- Panorama
- Street view
- 3D laser scanning
- MMS
- Digital Archiving
- Self-driving car
- Crowd-sourcing
- Drone
- Virtual tour



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