



## High-Resolution Gigapixel Imaging of Fine Art and other Cultural Heritage

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GSS (Gixel Smart System, patent pending) is a high-speed robotic system for the extremely high-resolution digitization of two-dimensional art. At a constant density of 1000 ppi, the system can digitize each square meter of art in less than 10 minutes. It can digitize art in open public galleries, without disruption to patrons. Gixel's proprietary software ensures perfectly focused, perfectly stitched, color calibrated final images. All the software necessary to host the images on in-house servers (or public websites) is available. This permits (among other features) advanced searching and zooming. An "in-development" version of the system for digitization of fragile paper art and documents will be discussed, as well as future projects such as high definition infrared imaging.

Opportunities for commercialization of the ultra-high definition images will also be presented.

The presentation will be followed by a live demonstration.



# MCI

## *Topics in Museum Conservation*

**January 26, 2012**  
**10:45am-12:15pm**  
**Thursday**

*MCI Theater*  
MUSEUM SUPPORT CENTER  
4210 Silver Hill Road  
Suitland, MD 20746  
301-238-1240



Smithsonian  
*Museum Conservation Institute*