

# Japan UNESCO Committee Projects in Activities in China and the Philippines

*Advanced High Resolution Imaging Technology  
for Conservation of Important artifacts in Libraries and Archives*

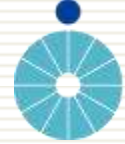
*17-20 December 2014*

*City University of Hong Kong , Hong Kong*

**Chizu Hoshiai**

Kyoto University, Graduate School of Engineering  
Advanced Imaging Technology Laboratory

The part of the wall painting at Kannon do  
UNESCO World Heritage Site, Ninaji Temple



文部科学省

MINISTRY OF EDUCATION,  
CULTURE, SPORTS,  
SCIENCE AND TECHNOLOGY-JAPAN

**Ministry of Education, Culture, Sports, Science and Technology (MEXT)  
Official Development Assistance UNESCO Activity Grant**

**Education Program for Recording and Utilization of Asian Cultural Heritage  
- UNESCO Japan, Kyoto University Project-**

FY 2011



**Education Program for Recording and Utilization of Tangible and Intangible Heritage  
in the Philippines**

FY 2012

**Core Institute: Kyoto University  
Project Leader: Prof. Ari Ide**



## The aim

- to **establish a global basis of collaboration** to preserve, utilize, and pass down the world's cultural heritage assets to the next generation.
- to **establish state-of-the-art laboratory** that can be used for **research and multidisciplinary education** for conserving and recording tangible, intangible, and natural heritage.



This training program aimed at promoting the development of collaboration and network building among scholars and professionals in conserving and recording tangible, intangible, and natural heritage, and the opportunities to learn the latest knowledge and techniques.

- Provide knowledge and skills of software for image data processing and contents development
- Educate professionals in digital heritage field to enhance the ability to plan and manage projects
- Educate professionals in digital heritage field to enhance the ability to develop relevant applications in creating digital contents
- Knowledge related to social system such as laws, economics and intellectual property rights





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## Conference / Training Program in China

19<sup>th</sup> -23<sup>rd</sup> September 2011 Beijing, China





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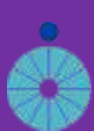
## Conference / Training Program in the Philippines

### Science and Technology for Art: Conserving and Recording Tangible, Intangible, and Natural Heritage

3<sup>rd</sup> – 7<sup>th</sup> September 2012, University of Santo Tomas





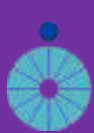


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## Conference / Training Program in the Philippines





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## Satellite Labs

In this project, the satellite labs equipped with state-of-the-art imaging devices from Kyoto University were installed at the Palace Museum (Beijing, China) and University of the Philippines. The staff were trained, including students. They were engaged in joint on-site digitization projects together with researchers from Kyoto University. Now they have their own trained personnel capable of handling the device independently and doing independent research works.

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SEOUL  
PUSAN



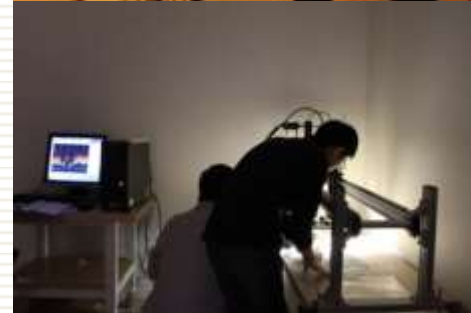
**PHILIPPINES**  
MANILA







The Palace Museum is the Chinese imperial palace for a succession of twenty-four emperors and their dynasties during the Ming and Qing periods of Chinese history, and it is the largest and most complete architectural grouping of ancient halls in China, with extensive collection of artwork and artifacts. In this joint research, various collection which include wood carving, silk and textile, paintings, enamels were scanned.





### 28-31 August 2012, University of Santo Tomas Museum

- The scanning was conducted on-the-site in two locations. The first location of the scanning was the University of Santo Tomas Museum while the second venue for the scanning was at the conservation lab of the National Historical Commission of the Philippines.
- There were more than 250 objects scanned during this project. At the UST Museum various objects were scanned which include paintings, Philippine currency bills, butterflies, coins, stamps, religious icons and many more others. On the other hand, at NHCP the objects were mainly Filipiniana and majority are clothing used by the Philippines National Hero, Dr. Jose Rizal.







### 6 September 2012, National Historical Commission of the Philippines

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### 11 November-05 December / 27-28 December 2012, National Museum of the Philippines

- A total of 12 paintings of the National Artist Hernando R. Ocampo, was scanned at the National Museum of the Philippines. The scanning activity was done to extract digital signatures of the Artist's style to aid in the authentication of his works.
- Forty two paintings by Juan Luna were scanned. Because of the high resolution of scanning we noticed a fingerprint on the right side of the painting just above Luna's signature. Examining the other digitized paintings we saw three more with fingerprints near the edges.





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## The Collaboration with UNESCO National Commission of the Philippines



Dr. Miralao  
Secretary General, UNESCO National Commission of the Philippines



We hope that this technology from Kyoto – a city of culture and technology – will act as a catalyst in encouraging a renewed global discussion and interest on culture.



The part of the wall painting of the Kannon-do, Ninnaji Temple