氏　名：　張　朋昌

所属専攻・職名：　機械理工学専攻　博士後期課程１年

派遣国：　中国

派遣先（研究機関名）：　City University of Hong Kong

受入研究者（職・氏名）：　Professor Sarah Kenderdine

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派遣先での研究テーマ：　中国文化財の高精細分析イメージングに関する研究

（Application of High-Resolution Analytical Imaging of Chinese Cultural Heritage）

【研究実施概要】

Precious Chinese cultural heritages collected by the Hong Kong Maritime Museum were digitized at high resolution to make contents for a sophisticated displaying system belonging to the City University of Hong Kong. In total, 10 pieces of important artworks of different types, such as painting, ship plans, maps, old photos were digitized at around 1200dpi.The Most important one, also the biggest artwork collected by the museum was an 18 meters long scroll painting, and is planned for display using the high end displaying system

Digitization was carried out at the Hong Kong Maritime Mesuem and then the data captured about these cultural heritages was analyzed and processed at City University of Hong Kong to make high quality contents for the 360 degrees display system developed by the Applied Laboratory for Interactive Visualization and Embodiment, City University of Hong Kong.

【研究成果概要】

As a pilot project, I have scanned the l8m long Chinese scroll painting which is the most precious collection of the museum. The painting depicts a very important historic story of pacifying a large force of pirates in south China sea　by the Chinese government 200 years ago.　So large a format is very difficult for experts to study and display. I digitized this painting at 1200dpi, and the high resolution digital version of it will be extremely helpful for the experts to do study on the details of the painting and also for the futher display and education to the public.

On the other hand, the high resolution image of this painting will be used to a 360 degrees panoramic dislay which has a dimension of 10m in length and 4m in height. The displaying system is developed by the research teams led by Dr Sarah kenderdine at University of Hongkong. After discussion with Dr Kenderdine, I analyzed　and processed the data for their display according to their requirements.

In addition, 9 other pieces of artworks were also digitalized at high resolution, including several 2.4 m by 0.75m paintings, a 3m longship plan and some old maps and photos. The digitalized artworks will promote their research not only on the history of Hongkong but also some technical development in ships and maps.

【外国語のスキルアップ・コミュニケーション能力の向上，海外におけるネットワークづくり】

Since Hong Kong, my research destination is an English-speaking region, through this period of stay there, my command of the English language has improved and my level and skills have increased.

In addition, Hong Kong is a very internationalized city where people from all around the world work, study, research, travel, and do business and it could be good gateway for me to widen my network of international contacts.

【派遣の感想】

In my opinion, this program is very helpful in helping yong researchers to be exposed to international collaboration. It provides not only a venue for academic exchange but also for cross-cultureal communications.

It also helped me gauge the level of my technical and research skills compared to other universities outside Japan and broaden my range of knowledge. If given the opportunity, I would like to be involved in this project again and I would also recommend this program for other researchers.