



Warehousing Images in the Digital Hospital: Interpretation, Infrastructure, and Integration

WIDTH Newsletter

July 2014
Edition: 25

Visiting Middlesex University, UK from Fuzhou University

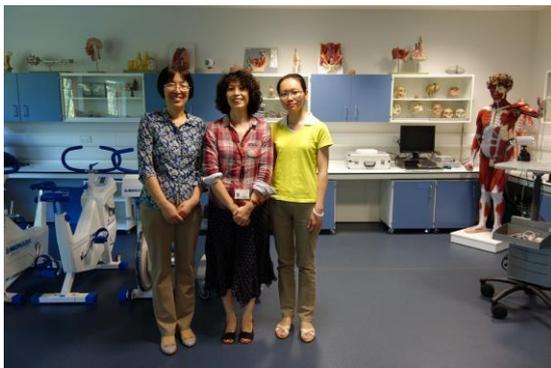
By Liting Guo, Fuzhou University, China



Inaugural Professorial Lecture presented by Prof. Christian Huyck

In July 2014, as a part of WIDTH exchange programme, Professor Xiuzhi Yang and Dr. Liting Guo, both from Fuzhou University China, came to visit Middlesex University for 1 month.

During their stay, they visited Biomedical Science lab at School of Science and Technology.



Visit Biomedical Science lab

They also enjoyed an inaugural lecture given by Professor Christian Huyck, the Professor of Artificial Intelligence. He gave a wonderful presentation about AI, human model and human brain model. Afterwards, there was a buffet dinner, a typical form of a working lunch at the UK.

Another exchanging idea meeting was hosted by Prof. Xiaohong Gao to welcome a group of delegates from Beijing Aerospace Bureau. During the meeting, Mr. San Tang, Mr. Wei Guo, both from Fudan University, Prof. Yang and Dr. Guo participated in the meeting. Prof. Gao presented her fruitful image research work to the delegates. All participants had an interesting discussion and exchanged ideas on image and information processing as well as their applications after the meeting.



Prof. Gao introduces her image research work in Middlesex University



Warehousing Images in the Digital Hospital: Interpretation, Infrastructure, and Integration



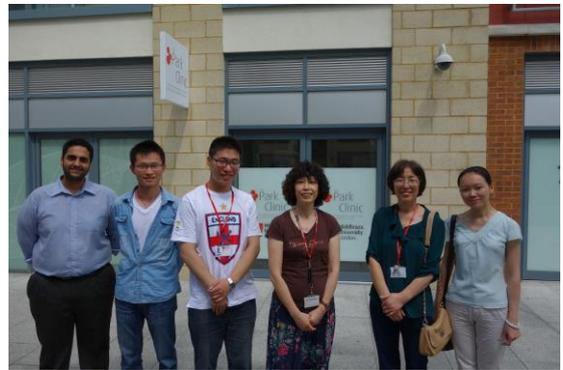
Discussions after the meeting



Visit Park Clinic



Experiencing Google glass



All meeting members.



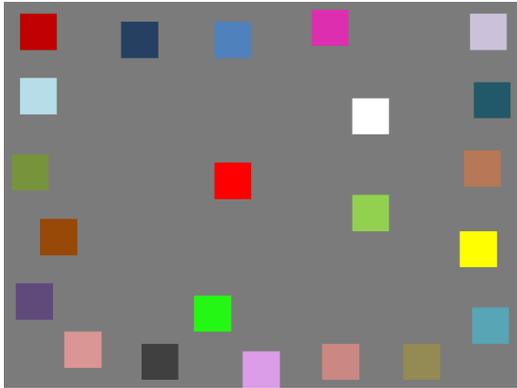
Experiencing Tui Na (Massage)

Another activity took place during their visit was to visit Park Clinic and Acupuncture treatment teaching research lab in the Middlesex University, which gave visitors an insight that traditional Chinese Medicine gets a certain degree of acceptance not only in the actual treatment but also in the teaching courses abroad.

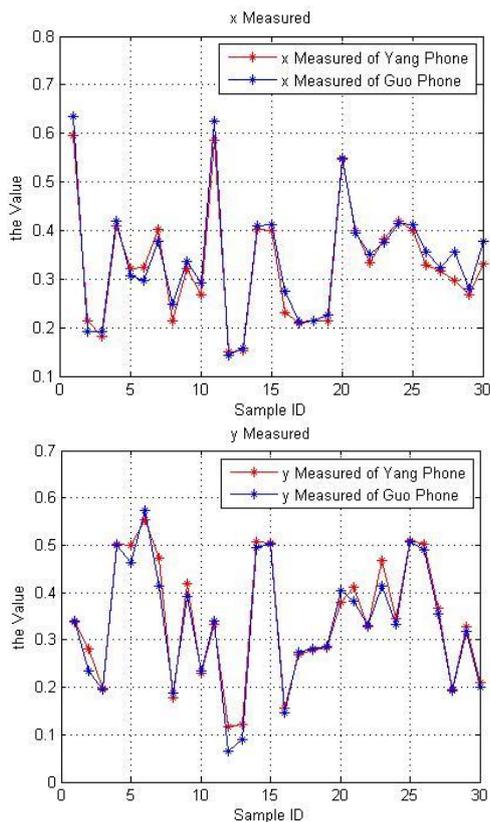
All the visitors, including Yang, Guo, Tang, and Guo, have learnt colour measurement, one of the research work carried out at Middlesex University. The measured data in conjunction with others' data will be analysed, and then used to calibrate the colours of mobile phones, so that it will be more consistent with the subjective perceptions of each individual color.

Warehousing Images in the Digital Hospital: Interpretation, Infrastructure, and Integration

Lightness, colourfulness and Hue of 30 samples were measured, estimated and analysed.



One of the 30 samples



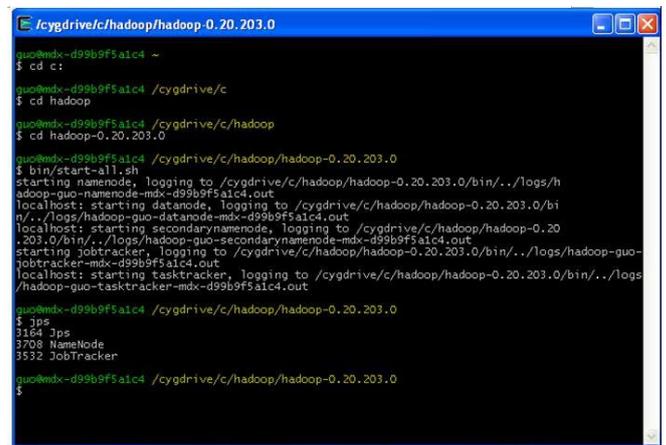
Another research Liting Guo has taken was to install Hadoop. As Cloud Computing becomes more and more popular in information processing, Hadoop is born out of a need to process big data. It enables

applications to work with huge amounts of data stored on various servers.

Hadoop allows the existing data to be pulled from various places and uses the MapReduce technology to push the query code and run a proper analysis, therefore returning the desired results.

Hadoop has a large-scale file system (Hadoop Distributed File System or HDFS), it can write programs, and it manages the distribution of programs, then accepts the results, and generates a data result.

Based on the reasons listed above, Java TM, Cygwin and Hadoop were installed in the lab's computer. After the corresponding files are configured properly, Hadoop worked.



In addition to research work, the WIDTH visitors from China toured a number of famous tourist spots. One is the Cambridge, the university city and another is Royal Greenwich Observatory at London. Striding over the prime meridian, the visitors felt the power and charm of geographic and astronomy science.



Warehousing Images in the Digital Hospital: Interpretation, Infrastructure, and Integration



Visiting University of Cambridge.



At the Royal Observatory..

In this one-month visit, the Fuzhou visitors not only experienced different teaching, research and living styles between China and the UK, but also shared ideas and interests in the information and communication domain by meeting and talking with the researchers and students in the school at Middlesex University, the wonderful memory that will remain for a long time.

CONTACT INFORMATION

Middlesex University, The Burroughs, Hendon, London, NW4 4BT, UK.

Tel: 0208 411 2252, <http://www.mitime.org/width>.

Prof. Xiaohong Gao
Project Coordinator
Tel: (+) 44 (0)208 411 2252
x.gao@mdx.ac.uk

Mr. Michael Butterworth
Senior Project Offer
Tel: (+)44 (0) 208 411 6803
m.butterworth@mdx.ac.uk

Ms. Emeline Matheou
Assistant Project Director
Tel (+44)(0) 208 411 4228
e.matheou@mdx.ac.uk

