



## TIME Newsletter Tele-medicine and medical imaging.

3<sup>rd</sup> edition  
Nov 2005.

### MIT 2005 Conference



*Photo shows all attendees from MIT2005, at the Wuyi Palace hotel, Wuyi Mountain.*

The Medical Imaging and Telemedicine conference took place at Wuyi Mountain, China, during August 2005. The conference was regarded as a great success and details for the 2006/07 conferences will follow. Many nationalities were represented from Europe, the Middle east and Asiatic regions. The EU representative – Alison Birkett attended. Alison gave a informative presentation on EU projects and funding, she also answered a range of questions. Many thanks go the conference organizers Prof Q. Lin and Dr X. Gao, a full social itinerary was provided in the evenings to complement the day's scientific proceedings, as shown in the photos.



*Photo shows European delegates being welcomed by a traditional Chinese performance entitled "Tea Culture".*



*Photo shows attendees at one of the conferences parallel sessions.*

To obtain the proceedings and/or a delegate list please contact the TIME project team ([x.gao@mdx.ac.uk](mailto:x.gao@mdx.ac.uk), [s.batty@mdx.ac.uk](mailto:s.batty@mdx.ac.uk)).

**PET machine –  
colour image segmentation**

An area of research to be focussed on, by the TIME project team in the future, is that of PET image alignment. Pet images reveal tracer concentrations of certain metabolites, it is important that this data is aligned with anatomical information. One possibility is to measure head movements using an external digital camera. To this end initial photos have been taken at the Wolfson brain Imaging Centre.



*Photo shows white paper in PET scanner, this is to obtain the reference white.*



*Photo shows subject in position for scanning, with a laser guide. Image to be used for face segmentation.*



*Photo shows alternative view of subject face, with spotlight on to increase luminance. To be used for face segmentation.*

Initial development of segmentation algorithms has begun. Design goals include reliable detection of head movement using images from consumer quality digital camera.

**TIME Partners meeting –  
Athens**

Dr Xiaohong Gao, Dr John Clark and Dr Stephen Batty visited Professor Theodore Kalampoukis at the Athens University of Economics and Business ([www.aueb.gr](http://www.aueb.gr)). The importance of this meeting was to update Prof Kalampoukis on current TIME project development and to discuss new areas of research. Current system status was demonstrated and cross-language design problems were outlined.



*Demonstration of current preliminary system to Prof Kalampoukis.*



*Further discussion of the problems associated with cross-language retrieval, in particular to retrieval of medical images.*



*The view of Athens from Prof Kalampoukis office, showing Dr Xiaohong Gao and Dr Stephen Batty.*

## **European Telemedicine Conference**



*All the attendees of the 3rd International Conference on Telemedicine & Multimedia Communication are shown in photo above.*

Dr Xiaohong Gao was invited to give a presentation at the 3rd International Conference on Telemedicine & Multimedia Communication in Kajetany, Poland. The conference was focussed on Tele-medicine, PACS and multimedia, it gave an opportunity for the TIME project to stay abreast of current developments in the field and present the current research to the community.



## **Administration details**

For any further information, that is not shown here, or at the TIME project's web resources at

<http://image.mdx.ac.uk>

and

<http://www.cs.mdx.ac.uk/staffpages/xiaohong/time.html>

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Also available on request are copies of the quarterly EU report, and all information regarding the MIT 2005 conference.

