

Press Release from The University of Liverpool and National Tsing Hua University

For information, please contact

Kate Mizen, Head of Public Relations, University of Liverpool,
Kate.mizen@liv.ac.uk
+44(0) 151 794 2247

Sabrina Li, Division of Public Affairs, National Tsing Hua University
yhl@mx.nthu.edu.tw
+886-3-516-2372



**The University of Liverpool and National
Tsing Hua University Inaugurate Ground
Breaking Dual Ph.D. Program and
Scholarships**

Hsinchu and Liverpool, April 18th, 2012

Following the signing of a University-to-University Memorandum of Understanding for cooperation, National Tsing Hua University and the University of Liverpool have taken concrete steps to substantiate the interactions. To this end, both institutions are pleased to announce the launch of their Dual PhD Programme. Eleven PhD scholarships are available for students starting in October 2012 (see attached list of projects and supervisors).

The scholarships provide the tuition fees for a 5-year PhD programme during which the students will study at both institutions spending at least 12 months in each institution. A single PhD thesis will be prepared in English for examination by a panel that includes examiners appointed by both institutions and a successful thesis defence will lead to the award of a PhD degree by both institutions. Applications, which may be made to either institution, for the scholarships are invited from suitably qualified candidates with at least a Bachelor's degree and preferably a Master's degree.

The University of Liverpool is a founding member of the Russell Group of top research Universities in the UK and National Tsing Hua University is a member of the Top Research Universities Alliance in the Republic of China.

This agreement is designed to establish long-term research relationships between the National Tsing Hua University and the University of Liverpool as strategic partners in the global world of knowledge generation and exchange. The dual PhD programme is the first step in a series of substantial collaborations that is likely to include joint MSc courses, undergraduate student exchanges and supporting one another's recruitment programmes in high/secondary schools.

NTHU – UOL DUAL PHD PROGRAMME: AVAILABLE PROJECTS AND SUPERVISORS

1. Stiffness Measurement of Human Corneas *in Vivo*

Ahmed Elsheikh, University of Liverpool (elsheikh@liverpool.ac.uk)

Chao-Min Cheng, National Tsing Hua University
(chaomin@mx.nthu.edu.tw)

2. Age and regional variation of behaviour of blood vessels with different curvature extents

Jeng-Jiann Chiu, National Tsing Hua University (jjchiu@nhri.org.tw)

Ahmed Elsheikh, University of Liverpool (elsheikh@liverpool.ac.uk)

3. Study of Residual Stress around Cold-Expanded Holes in Aircraft Structures

Wei-Chung Wang, National Tsing Hua University

(wawang@pme.nthu.edu.tw)

Eann Patterson, University of Liverpool,

(eann.patterson@liverpool.ac.uk)

4. Modelling and Validation of Structural Analysis of Thermoelectric Coolers

Wei-Chung Wang, National Tsing Hua University

(wawang@pme.nthu.edu.tw)

Eann Patterson, University of Liverpool,

(eann.patterson@liverpool.ac.uk)

5. Efficient algorithmic methods for time series comparison in QBSH

Prof Jyh-Shing Roger Jang, National Tsing Hua University

(jang@cs.nthu.edu.tw)

Prof Leszek A Gąsieniec, University of Liverpool

(lechu@liverpool.ac.uk)

6. Analogue building blocks for realising biologically inspired hardware

Professor S. Hall, University of Liverpool (s.hall@liverpool.ac.uk)

Associate Professor Kea-Tiong Tang, National Tsing Hua University
(kttang@ee.nthu.edu.tw)

7. Time & Space Efficient String Algorithms & Data Structures with Applications to Computational Biology

Dr Wing Kai Hon, National Tsing Hua University,
(wkhon@cs.nthu.edu.tw)

Dr Prudence Wong, University of Liverpool, (p.wong@liverpool.ac.uk)

8. Resonant tunnelling nanostructures for Terahertz electronics

Professor S. Hall, University of Liverpool (s.hall@liverpool.ac.uk)

Professor Yen-Chieh Huang (ychuang@ee.nthu.edu.tw)

9. Germanium based high-k oxide gate for device applications

Professor S. Hall, University of Liverpool (s.hall@liverpool.ac.uk)

Professor Yung-Jane Hsu, National Tsing Hua University
(yjhsu@ee.nthu.edu.tw)

10. Analysis of optical coherence tomography images for the development of eye healthcare planning tools

Professor Ahmed Elsheikh, University of Liverpool
(elsheikh@liverpool.ac.uk)

Professor Shang-Hong Lai, National Tsing Hua University
(lai@cs.nthu.edu.tw)

11. Graphene and Oxide-Based Materials for Energy Storage Systems

Dr Laurence Hardwick, University of Liverpool
(laurence.hardwick@liv.ac.uk)

Prof. Chi-Chang Hu, National Tsing Hua University
(cchu@che.nthu.edu.tw)