



Biomedical Science Workshop (SCI 3311)

## **Engineering and Healthcare: From High-Tech Metropolitans to the Developing World**

**4 Dec 2010 and 11 Dec 2010**

*Co-organiser: The University of Hong Kong*

This will be a two-day interactive programme that engages participants in examining how engineering science has been playing an indispensable role in healthcare. Plenary talks and group discussions will be formulated upon two application settings with stark contrast:

- 1) in a well-developed metropolitan like Hong Kong, and
- 2) in a resource-limited developing place like rural China.

There will be hands-on opportunities for participants to use high-tech medical diagnostic technologies and learn how they work. Participants will also take part in the design of a device that aims to address primary healthcare needs in the developing world.

The overall aim of our programme is to broaden the participants' vision on how the engineering profession can actively improve healthcare processes and thereby promote healthier living around the world. Our discussion will be centered around the biomedical engineering discipline, which is well-regarded as a frontier research field of the 21st century. It is our hope that the highly interactive nature of our programme can help stimulate the participants' interest in the biomedical engineering field.

### **Programme Details**

<b>Intended Learning Outcome</b>	<ul style="list-style-type: none"><li>➤ Develop students' own working definition of engineering, especially in the context of healthcare</li><li>➤ Cite examples on the societal impact of biomedical engineering in both developed and developing parts of the world</li></ul>
<b>Date</b>	4 Dec & 11 Dec 2010
<b>Time</b>	10:00 am to 5:00 pm (excluding lunch time)
<b>Venue</b>	Lecture Theatre A, Chow Yei Ching Building, Main Campus, The University of Hong Kong
<b>Quota</b>	40 student members

<b>Language</b>	English and Cantonese
<b>Target participants</b>	S4 or above student members (Priority will be given to members in Sciences domain.)
<b>Course requirement and merit</b>	<b><u>Certificate of Completion</u></b> will be awarded to participants who are able to fulfill all the course requirements including full attendance.
<b>Course fee</b>	Free of charge
<b>Application procedure &amp; deadline</b>	<ul style="list-style-type: none"> <li>❖ Students should download the Application Form from the following website: <a href="http://www.hkage.org.hk">http://www.hkage.org.hk</a></li> <li>❖ Students should submit the completed Application Form to <i>The Hong Kong Academy for Gifted Education</i> by mail or by fax (<i>Fax number: 2490 4730</i>) on or before <b><u>26 Nov 2010 (Fri)</u></b>. Late application will not be considered.</li> <li>❖ The list of successful applicants will be posted on the website <a href="http://www.hkage.org.hk">http://www.hkage.org.hk</a> after 5:00pm on <b><u>30 Nov 2010 (Tue)</u></b>. No further notification will be made.</li> <li>❖ Successful applicants should download a “Confirmation Slip” from the above website. Completed Confirmation Slip should be faxed to the Academy by the deadline mentioned on the slip.</li> </ul>
<b>Address of the HKAGE:</b>	Room 326, East Block, Kowloon Tong Education Services Centre, 19 Suffolk Road, Kowloon Tong, Hong Kong
<b>Enquiry</b>	For enquires, please contact Ms Yip at 3698 3498 or Mr Kwong at 3698 3494.