“Biomedical Engineering: Connecting People, Engineering and Healthcare”
“生物醫學工程：聯繫人才、工程和保健行業”

Ir. Andros Chan 陳令名工程師  
Vice Chairman, HKMHDIA  
香港醫療及保健器材行業協會 副主席

Dr. William Cheung 張樹生博士  
Chair of Education and Training Panel, HKMHDIA  
香港醫療及保健器材行業協會 培訓教育小組主席

Mission

- To contribute to the local knowledge-based economy as an innovation and technology industry by servicing the medical and healthcare device industries in building internal competencies, setting and observing professional and industrial standards, publicizing our competitiveness locally and internationally, facilitating national and international cooperation in advancing the industries, and supporting and advising on Medical Device policies and regulations.

- As integral members of healthcare delivery, to ensure that safe and effective medical devices ultimately benefit the public.

Medical Device Industries

<table>
<thead>
<tr>
<th>Basic Research</th>
<th>Applied Research</th>
<th>Prototype Development</th>
<th>Clinical Trial</th>
<th>Regulatory Compliance</th>
<th>Production</th>
<th>Market</th>
</tr>
</thead>
</table>

Organization

Executive Board (17 Members, 2 Honorary Members)

- Secretariat, HKPC
- Functional Panels (6)
- Honorary Advisors
- Corporate Communications
- External Relations
- Membership Affairs
- Product and Technology Development
- Quality and Regulatory Affairs
- Training and Education
Executive Board 2011-2012

<table>
<thead>
<tr>
<th>Name</th>
<th>Company / Institution</th>
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</thead>
<tbody>
<tr>
<td>Chairman</td>
<td>Prof. John Chai</td>
</tr>
<tr>
<td>Deputy Chairman</td>
<td>Mr. Albert Lee</td>
</tr>
<tr>
<td>Vice Chairman</td>
<td>Ir. Andros Chan</td>
</tr>
<tr>
<td>Mr. Benjamin Chan</td>
<td>MediConcepts Limited</td>
</tr>
<tr>
<td>Ms. Maria Chiang</td>
<td>Chien Chien Holdings Limited</td>
</tr>
<tr>
<td>Ms. Teresa Li</td>
<td>Great Eastern Healthcare Limited</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Mr. Otto To</td>
</tr>
<tr>
<td>Secretary General</td>
<td>Ms. Martha Hao</td>
</tr>
<tr>
<td>Executive Board Member</td>
<td>Dr. William Cheung</td>
</tr>
<tr>
<td>Mr. Mark Ho</td>
<td>Pacific Medical Systems</td>
</tr>
<tr>
<td>Mr. Hugo Wong</td>
<td>Mayfair Medical Supplies Limited</td>
</tr>
<tr>
<td>Mr. James Li</td>
<td>Healthcare Technology International Limited, AML Group</td>
</tr>
<tr>
<td>Ir. Richard Lun</td>
<td>ConXept Limited</td>
</tr>
<tr>
<td>Mr. Henry Lam</td>
<td>Associated Medical Supplies Company Limited</td>
</tr>
<tr>
<td>Mr. Henry Hu</td>
<td>MTI Marketing (Asia) Limited</td>
</tr>
<tr>
<td>Mr. Fred Tung</td>
<td>Johnson &amp; Johnson (HK) Ltd.</td>
</tr>
<tr>
<td>Mr. Kevin Orr</td>
<td>Winner Medical (Hong Kong) Limited</td>
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Honorary Appointments

<table>
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<tr>
<th>Name</th>
<th>Company / Institution</th>
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</thead>
<tbody>
<tr>
<td>Honorary Chairman</td>
<td>Prof. John Mok</td>
</tr>
<tr>
<td>Honorary Board Members</td>
<td>Mr. Ralph Chow</td>
</tr>
<tr>
<td>Mr. Joseph Poon</td>
<td>Hong Kong Trade Development Council</td>
</tr>
<tr>
<td>Ir. Derek Louie</td>
<td>Hong Kong Productivity Council</td>
</tr>
<tr>
<td>Honorary Advisors</td>
<td>Dr. Homer Tso</td>
</tr>
<tr>
<td>Prof. Michael Yang</td>
<td>City University of Hong Kong</td>
</tr>
<tr>
<td>Prof. Arthur Mak</td>
<td>Hong Kong Polytechnic University</td>
</tr>
<tr>
<td>Prof. King Chow</td>
<td>Hong Kong University of Science and Technology</td>
</tr>
<tr>
<td>Prof. Aaron Ho</td>
<td>Chinese University of Hong Kong</td>
</tr>
<tr>
<td>Prof. Paul Cheung</td>
<td>University of Hong Kong</td>
</tr>
<tr>
<td>Dr. Lilian Leong</td>
<td>Immediate Past President, Hong Kong College of Radiologists</td>
</tr>
<tr>
<td>Honorary Legal Advisor</td>
<td>Mr. Nicholas Chan</td>
</tr>
<tr>
<td>Mr. Eugene Liu</td>
<td>Squire, Sanders &amp; Dempsey</td>
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Number of Membership

- > 120 members

Events conducted in 2009

- 26 events in 2009
Events conducted in 2010

29 events in 2010

Sharing from HKU MedE Alumni
Kelvin Sze (2009)

Healthcare Expenditure by Country

USA

Data source: The World Bank
Medical Device Regulatory and Marketing Course

- Co-organised by HKMHDIA and the Integrated Vocational Development Centre (IVDC) of Vocational Training Council (VTC)
- September 2009; March 2010; September 2010; March 2011
- Over 120 graduates
Student Research Award

- HKU, CUHK, PolyU & HKUST
  - Biomedical Engineering Course

- Over 20 undergraduate and graduate students have been awarded

**HKMHIA Annual Dinner 2009**

**HKMHIA Annual Dinner 2010**

- Organized visits to different universities, research and clinical trial centers to provide collaboration opportunities for our members with the academics

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td>2009</td>
<td>2010</td>
</tr>
<tr>
<td>Mar</td>
<td>The University of Hong Kong of Clinical Trial Centre and Genome Research Centre</td>
</tr>
<tr>
<td>Apr</td>
<td>The Department of Biomedical Engineering, Jinan University, Guangzhou</td>
</tr>
<tr>
<td>May</td>
<td>The Department of Biomedical Engineering, The Chinese University of Hong Kong</td>
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<tr>
<td>Aug</td>
<td></td>
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<tr>
<td>Oct</td>
<td></td>
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<tr>
<td>Nov</td>
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</table>

- Biomedical Product Development Collaboration at HKUST: Technological Seminars and Opportunity Matching
Hong Kong International Medical Devices and Supplies Fair
November 4-6, 2009 and November 3-5, 2010

Outward Bound Corporate Challenge 2010
November 14, 2010

HKMHDIA Team:
Mixed Division -
CLP Power Plates -
Champion

Fujikon Cups for Manufacturing Industry Group -
1st Runner-up

HKU MedE Alumni in Industry

◆ Charles Chu (2006)
  Engineer on Product Development & Registration
  Vincent Medical Manufacturing Co. Ltd.

◆ Peter Tang (2006), Territory Sales Manager,
  Johnson & Johnson (Hong Kong) Ltd.

◆ Kyle Ho (2008), Project Engineer,
  Medu-Scientific Ltd.

◆ Andy Lau (2010), Project Engineer,
  Medu-Scientific Ltd.

◆ Henry Yip (2010), Project Engineer,
  Medu-Scientific Ltd.
“Hire for attitude. Train for skill.”

Sharing from HKU MedE Alumni
Edwin Wong (2009)

HKU MedE - HKMHDIA Mentorship Program

- One-to-one Mentorship Program
  - Mentor: HKMHDIA Member Company
  - Period: One year
  - Target: HKU MedE Student

Coming Soon
Product Design & Development

Product Design Engineer / Manager
1. Understand the design principles of medical device;
2. Understand the regulatory requirements of medical device safety and efficacy, e.g. FDA – PMA, 510(k), SFDA, MDD; and
3. Integrate with production and quality system, e.g. QMR, ISO13485, cGMP

Quality & Regulatory Affairs

Regulatory Affairs Engineers/Specialists:
- a) Product registration/consultant;
- b) Conformity Assessment Bodies – BSI, UL, TUV, SGS; Product and or system reviewer;
- c) Medical device regulators – MDCO (HK)….
- d) Clinical Research CRO; and
- e) Hospital or Health Centre;

Business Development, Marketing & Sourcing

Business Development
- Develop to different product categories
- Product portfolio & integration

Marketing, Distribution & Service
- Product registration & traceability

Sourcing
- Source suitable products from developed areas to China and vice versa

Patent & Technology Scout/Lawyer

Patent & technology scouting:
- a) Patent Lawyer (Application & Litigation);
- b) Technology Lawyer (R&D & Licensing Contract); and
- c) Technology Valuator (Investment or M&A).
Research & Academic

Further study for PhD & Post-Doc

1. Medical Engineering for product invention, development & implementation;
2. Employed at university or research institution (Local or overseas; research or teaching); and
3. Entrepreneur in Research Venture, e.g. Stanford University.

Personal Observations

Graduates HK Chinese Overseas
Language
English
PTH
Cantonese
Technical Competence
Integrity

Personal Observations

Business Practices
Legal Mindset
International Exposure
Hand-on
Attitude

Coming Workshops for BME Professionals

✦ USA Medical Device Pre-market Notification 510(k) Writing Skill Workshop
  ➢ Date: 14-16 June 2011
  ➢ Organizer: HKMHDIA
  ➢ Venue: HKPC Building, Kowloon Tong

✦ Seminar on Nano-Medical Device Technology, Regulatory and Risk Management
  ➢ Date: 17 June 2011
  ➢ Organizer: HKMHDIA
  ➢ Venue: HKPC Building, Kowloon Tong

✦ Two-day Certificated Practical Training Course on Medical Device Product Registration in China
  ➢ Date: 14-15 July 2011
  ➢ Organizer: Hong Kong Productivity Council
  ➢ Venue: HKPC Building, Kowloon Tong
Thank you!
多謝！