I am honoured and privileged to be re-elected as your Branch Chairman in the last Branch AGM. On behalf of the Branch Committee, I would like to take this opportunity to extend our warmest welcome to the all of you.

With your support, feedbacks and firm involvement, we had organised over fifty events with total attendances close to eight thousands (please refer to the Chairman Report for details) in 2011. This accomplishment, apart from demonstrating Hong Kong Branch has managed to engage a group of dedicated and committed volunteers to drive the Branch Activity Programme, it is your participation to make it happen. On behalf of the Hong Kong Branch, I wish to register our heartfelt appreciation to your votes of confidence, support and guidance given to the Branch.

Building on the high spirit in the past session, and the confident votes from the members residing in the North East Asia Region, we held a Branch Retreat in June last year. It was organized to review how we could uplift the IMechE profile in Greater China Region, South Korea and Japan whereby to enhance our members’ career opportunity in the North East Asia Region and how to serve your local interest better. To that front, we have introduced the following to achieve these objectives:

- Increase the number of Branch Sub-Committees from four to six that makes Activity Sub-Committee, Membership Drive Sub-Committee, Award & Recognition Sub-committee, China Sub-Committee, Macau Sub-Committee, and Special Projects Sub-Committee. In so doing, each Sub-Committee would have a clear mandate to serve your interests in the respective areas;
- Launch the Greater China Region Design Contest to enhance and develop our Affiliate Members’ abilities in problem solving and project management skills;
- Roll out Hong Kong Registered Lift Engineers Initiative to assist local registered lift engineers to apply for IMechE membership with Chartered Engineer status;
- Launch the Branch Mentorship Programme to coach and guide our budding engineers to become a professional engineer;
- Launch Young Engineer Forum and ME Speech Club to support young members’ professional development and communication skill enhancement; and
- Support HQs to implement the China Plan. This is to enable us to gain insights on the opportunities in the Greater China Region that open to IMechE and us.

I am glad to report that the progress of the above initiatives is positive and encouraging. Six Branch Sub-Committees have managed to recruit over eighty young volunteers to sustain their growth development with good results. Engineering Week Programme jointly organised by the eight local institutions of which IMechE HK Branch was nominated as the Programme Manager and has received both local and overseas acclaims and compliments (please visit EW2011 website www.engineeringweek.hk to find out the highlights of the programme). Implementation of the China Plan has reached the half way mark with encouraging results such as signing of the MOAs with CMES in Beijing; SNAME in Guangdong Province; Ove Arup Office in Shanghai and Analogue Holdings Limited in Hong Kong. Our young volunteer – Mr Peter Wong has received the Young Volunteer Award from HQs. It’s the first of its kind to be awarded outside UK, and it is the first time to have our young volunteer to receive this Award. Congratulations Peter. You have done us proud.

In addition, our first attempt in merging the CEO Forum and Branch Fellow Reception on 10th December 2011 was well received by over fifty participants. The fruitful exchanges on how to address the perceived deficiencies of current generation of engineers serving the manufacturing industry no doubt had paved the way to enhance our engineers’ capability to serve the industry.

As your Branch Chairman, I am excited by the fact that:

- we have received tremendous supports from HQs to launch our proposed initiatives;
- we have representations in the Council, International Strategy Board and North East Asia Region Board to ensure your voice is being heard at the senior levels of IMechE; and
- we have a large pool of energetic and resourceful volunteers to organise activities in Greater China Region to serve your interest

In order to support the planned activities to celebrate our Branch 15th anniversary in 2012, I would like to take this opportunity to appeal to you all to render your services, support the upcoming Branch’s initiatives, voice your views on how to improve the Branch’s services to our members, and take part in both the Branch celebration and activities. I shall count on your continual support and look forward to meeting you all in the upcoming Branch’s events.

Last but not the least, may I take this opportunity to wish you and your family a healthy, joyful and prosperous Year of Dragon.
**Award and Recognition Sub-Committee**

Coleman Ng  
Chairman, Award and Recognition Sub-Committee

A sub-committee was deliberated set up in this session, named “Award and Recognition”. As the name implies, the sub-committee aims to give recognition to the members and/or helpers who contributed significant achievement to the Branch or the society.

In this session, considerable numbers of events were organized which indeed required a lot of volunteering works. To recognize the work done by the volunteers, an award was proposed by the sub-committee. Volunteers would be either nominated by sponsors or themselves, a judgment panel consisted of our Branch Chairman and Chairmen of sub-committees would be formed to elect the volunteers who are deserved to be awarded.

In addition, the sub-committee was also organizing awards in relation to the Best Mechanical Engineering Student and Best Final Year Project. Relevant academic institutes were invited to nominate their students.

**Activity Sub-Committee Session 2011-12**

Barry Lee  
Chairman, Activity Sub-Committee

Activity Sub-Committee was newly established by the Branch in this session with an aim of organizing activities like technical visits, seminars, training courses and social gathering for providing support for the continuing professional development of our members. The sub-committee, lead by Ir Barry Lee who is also the Honorary Secretary of the Branch Committee, has attracted 30 young and energetic members to join. The Sub-committee was subdivided into four different functional groups in light of the nature of its planned activities and listed as below:

1. **External Liaison Group (chaired by Clare Luk)**  
   - To liaise with other IMechE sub-committees for joint activities; and  
   - To liaise with other local learned societies for technical visits outside HK.

2. **Education & Training Group (chaired by Billy Chan)**  
   - To organize symposium and training courses; and  
   - To form technical interest groups for environment, energy & transportation.

3. **Social Activity Group (chaired by W H Tsang)**  
   - To be in charge of Annual Dinner and cocktail reception; and  
   - To hold social gathering activities among members.

4. **CPD Group (chaired by Jimmy Lee)**  
   - To arrange local technical visits and evening seminars.

The subcommittee is aiming high to organize over seventy events for our members throughout the year. Over the past few months, more than twenty events have been held successfully with overwhelming response. Monthly meetings were chaired by Ir Barry Lee to review the progress of event planning and organizing regularly and to initiate events of members’ interests. We would like to thank our members’ support and we promise more fascinating events will be coming up.

Here is a at-a-glance review of our past and up coming events:

**China Technical Visit:**
- Panyu Chu Kong Steel Pipe Factory  
- EFARTA AHU Factory in Shun De, Guangdong  
- ThyssenKrupp Escalator & Passenger Boarding Bridge Manufacturing Facility in Zhongshan

**Local Technical Visit:**
- Asia World Expo  
- Ngong Ping 360 Cable Car  
- Lai Chi Kok TBM Tunneling Transport  
- HAECO, Hong Kong International Airport  
- Pillar Point Sewage Treatment Works

**Seminar:**
- Automatic Refuse Collection System  
- Testing and Commissioning of Data Centre

**Social Gathering:**
- MPF Presentation  
- Squid Fishing  
- Wine Tasting & Table Manner  
- Young Engineer Forum cum Mentorship Programme and Casual Gathering

**Upcoming events:**
- Young Engineer Forum – Breakfast with CEOs  
- Seminar on Procedures and precautions on Erection and Dismantling and Accident Case study of Tower Cranes  
- Symposium in Energy and Environment 2012  
- China Technical Visit to Guangxi Hydro Power Stations

*From left to right : Ivy Leung (Hon. Secretary of the Sub-committee), Jackson Wong, Billy Chan, K K Chow, Anthony Man (Vice Chairman of the Sub-committee), Barry Lee (Chairman of the Sub-committee), Sam Wong, Benny Sit, Jimmy Lee and Michael Chow (Hon. Treasurer of the Sub-committee)*
Follow the founding of China Sub-Committee with an amalgamation team includes senior members/engineers, young engineers and students as warrante in 2009/2010 Session with a tremendous success through the contribution and back up of the China Sub-Committee team were achieved. We therefore initiated and proposed a 2 years China Plan with an estimated budget to submit for IMechE Headquarters for consideration and endorsement with the following objectives and strategy:-

A. Communicate and co-ordinate HK/Beijing/Ningbo/Macau

B. Develop & Promote:
   1. Company Based Registration;
   2. Professional Development Scheme;
   3. Company Accreditation; &
   4. University Academic Accreditation

C. Design and organize 1st Greater China Design Competition (GCDC) in Guangzhou amongst Universities in HK/China/ Macau; and the last but not the least

D. Recruit Members

With the green light and endorsement from IMechE Headquarters, the team then met and discussed to define a way forward with action parties involvement and tasks completion programme. The highlights for 2011 China Plan are:-

- Meeting and organizing technical visits with GDAST/GDMES;
- Signed the MoA with Guangdong Society of Naval Architecture and Marine Engineering;
- Attended the ceremony of the Student Chapter in Macau University
- Attended the 50th Anniversary dinner and meeting of the Guangdong Province of Science and Technology (GDAST)
- Arranged the 1st Greater China Design Competition “Automatic Waste Sorter” to be held on 24th & 25th March 2012 in Guangzhou Auto College of SCUT.
- Organized the China/Hong Kong/Macau Student Chapters and held a 1st Student Chapters meeting and gathering in Guangzhou Auto College of South China University of Technology and held a soccer match;
- Organized technical visit for IMechE Hong Kong Branch Young engineers and students to Long Xue Shipyard in Guangzhou
Sub-committees

Macau Sub-Committee

Chris Chong
Chairman, Macau Sub-Committee

I am pleased to be appointed as the Chairman of the Macau Subcommittee in this session. I was asked by the IMechE Hong Kong Branch to explore the opportunity to further cooperation with Associations, Universities and Companies in Macau, with focus to

- Leverage on IMechE international presence/brand & strengths to become a preferred organization for mechanical engineers in Macau, and
- Maintain a sustainable membership growth and retention.

Our initial strategy is to nurture a group of young local engineers and active members in Macau to become future leaders. To this end, with the help of colleagues from the University of Macau, a student chapter was formally inaugurated on 11 September, 2011 and 128 number of student in University became members of the IMechE family. I am pleased that these new members in Macau are very active in participating in activities organized by IMechE.

Our subcommittee has two ongoing initiatives

1) Explore the opportunity to assist potential young members to become professional Chartered Engineers and Corporate members of IMechE. A new mentorship scheme is being formulated by the IMechE Headquarters. We are now in the good progress to identify interested companies in Macau and Hong Kong to start a pilot scheme.

2) Explore the opportunity to further cooperate with Associations in Macau. We had ongoing discussions with The Macau Institution of Engineers and we are discussing the possibility for further cooperation.

I would like to thank member of my subcommittee, branch members, colleagues and friends in IMechE Headquarters, Hong Kong and Macau for their support in the past year.

IMechE-UMSU officially inaugurated

The Institution of Mechanical Engineers Student Chapter of University of Macau Student Union (IMechE-UMSU) was formally inaugurated on 11 September 2011 at the STDM Auditorium in the Library of University of Macau (UM). Mr Chow Wai Keung, Chairman of IMechE Hong Kong Branch, Mr Louis Szeto, Vice-chairman of IMechE Hong Kong Branch and Chairman of China Sub-committee, Mr Chris Chong, Chairman of the Macau Sub-committee, Mr Howard Tong, Chairman of Young Member Section of IMechE Hong Kong Branch, Prof Wong Pak Kin, Department Head of Electromechanical Engineering (EME) of Faculty of Science and Technology (FST) of UM, Prof Tam Lap Mou, Chairman of the Board of Directors of Institute for the Development Quality, Macau (IDQ) and Dr Wong Seng Fat, Assistant Professor of EME and were invited to join the inauguration ceremony.

The ceremony was presided by Mr Chow, Prof Wong, Dr Wong and Prof Tam presented the souvenirs to the representatives from IMechE Hong Kong Branch, Hong Kong Young Member Chapter, and China Sub-committee. Afterwards, the association’s first group of officers for the year 2011 was also sworn in by Mr Chow. Mr Chow and Mr Szeto emphasized that IMechE always supports to the young engineers and help the engineers in their career. Meanwhile, he also encouraged IMechE students to join more activities from IMechE and grasp the opportunities to learn more from those activities. Besides, Mr Chow introduced the history of IMechE as well as the structure of IMechE Hong Kong Branch.

During the inauguration ceremony, Prof Wong and Mr Errol Kuan Hong Cheng, President of IMechE-UMSU also delivered an inauguration speech. Prof Wong mentioned that the establishment of IMechE-UMSU is a good opportunity for EME students to learn more outside the books and also is a meaningful extracurricular activity to train the abilities of EME students. Furthermore, Mr Kuan, as the representative of the members of the association, expressed that they must value this chance and will try their best for developing the association.
Membership Sub-Committee

Year 2011 - 12 was a very busy year for the Sub-committee. Two Student Chapters at the University of Macau and Chinese University of Hong Kong were set up in June 2011 and February 2012 respectively with over 150 Affiliate members recruited. Similar to previous years, seminar on “How to Prepare Professional Assessment” with over 80 potential IMechE applicants audiences was held at the Hong Kong Polytechnic University on 24 June 2011 and seminar on “New route to Membership” was held at the YMS AGM on 3 May 2012. The Mentorship Programme (previously called Tutorship Programme) with over 46 Mentors and 40 Mentees was relaunched in 2011. The launching ceremony of new Corporate and Mentorship programme was held on 26 April 2012. In addition, the Sub-Committee embarked on the most challenging project yet, facilitating over 200 local Registered Lift Engineers and Registered Escalator Engineers to be Corporate Members of IMechE. More details of the former 2 initiatives can be found in this newsletter.

Supporting of Lift Industry

As part of the Government’s ongoing efforts to enhance lift safety, a new Lifts and Escalators Bill was introduced to replace the existing Lifts and Escalators (Safety) Ordinance, Cap.327 with a view to improving the operational efficiency of the enforcement work, tightening up the control of maintenance practices, and coping with technological advancement and increasing expectations from members of the public on lift and escalator safety. In the new Bill, Registered Professional Engineers (RPE) are required with at least two years of relevant experience, will be able to apply for registration as Registered Lift/Escalator Engineers (RLE/REE).

In order to encourage the existing RLE/REE to acquire professional qualification as a Chartered Engineer, HQ offers Career Learning Assessment (CLA) for those nominated candidates without accredited degree but with valuable experience in lift industry to apply and satisfy the requirements of attaining the IMechE/CEng professional qualifications. To assist the Branch and applicants appreciating the CLA process, HQs kindly invited Mr Ed Hansom, Professional Development Adviser to Hong Kong in end of November last year to deliver a one day inhouse workshop and 2 evening seminars respectively. Over 80 RLE/REE attended the seminars and the response was very positive. The first batch of 58 candidates with accredited degree were nominated to direct apply CEng application and over 60 candidates with valuable working experience were recommended to apply CLA in early February 2012.

IMechE (HK) Corporate and Mentorship Programme 2011 - 2012

In year of 2011, IMechE re-launched and re-structured the Tutorship Programme for continuing on to assisting and supporting our young members to become professional mechanical engineers. The main objective to rename and re-structure the Tutorship Programme to the Professional Development Mentorship Programme (PDMP) is to formulate the tutor to be the Mentor for guiding the young engineers with the formally channel and partnering environment to assisting them to become professional engineer. In the past 5 years, over 100 Mentees and 80 Mentors of the branch had enrolled the programme.

In 2012, IMechE UK Headquarters has decided to implement the structural and formally Hong Kong Mentorship Programme to serve the developing engineers (Associate Member) outside UK (especially for Hong Kong) to helping them to achieve the competences of UK-SPEC and to become the professional engineer in mechanical engineering industry.

Under the structural Hong Kong Mentorship Programme, the mentees should submit the quarterly and annual assessment reports in IMechE approved format and recorded in IMechE UK Headquarters database via on-line submission until attend the professional review interview and become the Chartered Engineer or Incorporated Engineer (CEng / IEng, MIMechE).

YEF cum Mentorship Programme Casual Gathering with experience sharing

With the joint effort of Activity Sub-committee and Membership Sub-committee, young members, mentors and mentees gathered together and exchanged thoughts and experiences on a regular basis on Friday evening at PolyU theatre lounge. Three evening gatherings / seminar on topic of “Quality Management”, “Financial Management” and “Propulsion system of UFO” were successfully held in September 2011, October 2011 and March 2012 respectively. YEF cum Mentorship Programme Casual Gathering will hold quarterly. We would like to express our great appreciation again for the three speakers Ir Peter Wong – Arup, Ms Isabelle Lo - Black Swan Capital and Dr Albert So to deliver the sailable seminars for our members.
Special Projects Sub-Committee

Reporting to the Hong Kong Branch Committee, the Special Projects Sub-Committee (SPS) is a new sub-committee established in 2011 charging with the responsibility to manage or support activities involving the Branch Foundation Account (BFA).

In the year 2011/2012, SPS commits to organising four or more certificate training workshops, as well as setting up a Speech Club for mechanical engineers and managing activities related to “Design Competition for Elderly.”

The affairs of SPS are managed by four Office Bearers and SPS project managers who are supported by helpers providing valuable assistance in making the SPS activities possible:

**Chairman**: Dr Vincent Ho

**Vice Chairman**: Peter Wong

**Hon Secretary**: Ally Lee

**Hon Treasurer**: Barry Ng

**Project Managers**: Timothy Wu

Christopher Wong

Adriane Ho

Eddie Cheung

Becki Lau

**Helpers**: Juan Lo

Alex Fan

Johnny Chan

Clare Luk

Chan Chi Hang, Henry

Wong Wing Lam

Chan Shuk Ching

Wong Kar Fei

Lo Chi Ho Charles

Yung Ka Kit

Jessica Chui

Wong Tuk Wa

Chow Chi Kit, Michael

To enhance the efficiency and effectiveness of managing SPS activities, SPS has established an Operating Guidelines with checklists and work plans to aid SPS project managers running the certification workshops. The project managers will gain hands on project management experience in running SPS workshops, while providing quality training to our fellow members on various technical topics. To date, SPS has already successfully organised three Certificate Training Workshops with further workshops being planned:

- CFD Simulation for Air Ventilating Assessment
- ISO 31000 Risk management – Principles and Guidelines
- Lifts & Escalators

We welcome members to join us as project managers or helpers.
Feature Interview with Mr James Y C KWAN, JP
Challenges and Opportunities for Hong Kong Young Engineers

Challenges ahead
With the implementation of Closer Economic Partnership Arrangement (CEPA), Mainland and Hong Kong are having a closer connection than before. It is inevitable that Hong Kong Young Engineers have to face the direct competitions with engineers from Mainland and at the same time the challenges arising from the culture difference. Meanwhile, with the rapid changes and advancement of technology, engineers nowadays cannot just stay on the knowledge learned from college, but also need to develop their right learning attitude after graduation. The old common practice may no longer be applicable to the new environment. Together with the transformation of economic bodies and Government policies, all of these bring impacts to our young engineers.

Opportunities for Hong Kong Young Engineers
Mr James Kwan, a fellow member of IMechE, had over 30 years of engineering and management experience, treasured the current situation as a valuable opportunity for our young engineers. Under the PRC 12th Five-Year Plan, one of the main focus is energy management. Efficient use of energy and reducing pollution would be the highlights in the coming years. This would provide great demands and opportunities in the engineering market. He added that engineers nowadays would no longer be staying in a single workplace. Frequent travel would be getting accustomed to young engineers. He mentioned that most of the trainees in Towngas will now be required to gain more exposures and experiences in Mainland. He strengthened that the important thing nowadays is to update ourselves for the ever changing society. Young engineers should broaden to the horizon and develop multiple skills to become more competitive.

Strengthening our Edges
Mr Kwan considered Hong Kong engineers with three main edges compared with Mainland engineers and we should strengthen them. The first one is related to our strong consciousness in safety issues since it comes from the experiences of Hong Kong engineering project, safety must come first and many resources have been put in this area. Also he noticed that integrity is a key characteristic of Hong Kong engineers. We have a high level of ethnic standards and are keen to comply with international quality standard. Our engineers are also possess good techniques in commutating and cooperating with different parties in which these kind bridging roles through various communications is not that easy to be replaced. Hong Kong young engineers can make use of these edges and strengthen them as a key factor to success.

Advice to Young Engineers
Mr Kwan observed that nowadays some young engineers were too result-oriented without going into details of fundamental engineering principles. He recalled his experience as a trainee which he was once serving in an international torch company upon graduation. There was a case that the cleansing machine for the torch bodies was malfunctioned and nobody realized the failure case. He then volunteered to investigate the fault and inspected every single component step by step applying his fundamental engineering knowledge. He then dug out every suspected problematic areas and eventually revealed the root cause. His efforts and contributions were highly appreciated by his company.

At the end of the interview, Mr Kwan encouraged our young engineers should always bear in mind of the correct attitude in problem solving and keen on asking questions.

Afterthoughts
It is our pleasure to have Mr Kwan to spare three hours among his busy schedule. Throughout this short period, he shared with us his valuable experiences and we discuss amongst ourselves different engineering issues and topics. We treasured this interview as a mentorship dinner to with this experienced engineer who can manage his health, family and business well and at the same time devote himself to social contribution. On behalf of IMechE Hong Kong Branch, we wish Mr James Kwan good health and every success in his business.
Dr Otto Poon received Honorary Degree of Doctor of Technology

It is absolutely worthy of respect that our past Chairman was recently awarded the Honorary Degree of Doctor of Technology from the Faculty of Engineering & Computing of Coventry University in the UK, in recognition of his outstanding contribution to the engineering profession and supporting environmental causes.

Dr Poon OBE, BBS has had an exceptional career as an innovator, an inventor and as a distinguished businessman. He is a Chartered Engineer with over forty years’ experience in engineering. He was our Branch Chairman in the sessions of 2002 to 2004. Under his leadership, there was an encouraging increment of the corporate member size in Hong Kong.

Mr Edmund Leung received Honorary Fellow from The Energy Institute

The Honorary Fellowship of the Energy Institute is normally conferred only to individuals with significant contributions to energy matters. Our past Chairman, Ir Edmund Leung, was recently conferred as the Honorary Fellow of the Institute.

Ir Leung had been on the Energy Advisory Committee for many years, and had been the Chairman for five years. The Institute recognizes his contribution to Hong Kong in giving effective advice on energy issues, including energy conservation, reliability of supply, reasonable and affordable tariff, etc.
Certificate Training Workshop:  
**CFD Simulation for Air Ventilating Assessment** 

by Barry KW Ng

With the increasing concerns in environmental friendliness of buildings in modern city centres, city planners, property developers, architects and engineers must take into account many environmental concerns such as wind comfort at the pedestrian level and thermal comfort at indoor ventilation during the design and construction stages.

In July and August 2011, the IMechE HK Branch organized an 18-hour CFD training workshop at Hong Kong Polytechnic University. There were about 60 participants in total. This workshop aims to provide participants with elementary but broad coverage on the CFD application in three scopes, namely Air Ventilating Assessment (AVA), indoor airflow simulation, as well as fire and smoke simulation. Two CFD simulation tools were primarily employed. They are "ANSYS T-Grid" & "ANSYS FLUENT".

To the success of this workshop, we would like to thank the following parties for their support and cooperation: the Department of Mechanical Engineering of the Hong Kong Polytechnic University and our lecturer, Mr Raymond Chiu, Regional Account Manager of Pera Global (HK) Office, HKIE-MMNC and ASME HK Section.

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Certificate Training Workshop:  
**ISO 31000 Risk Management – Principles and Guidelines** 

by Timothy NT Wu

Risks abound in the modern world. Some are familiar and encountered daily, requiring routine management control, while others are rare or strategic in nature and must be managed by executive management and company directors or others at a governance level.

A half-day training workshop on risk management, co-organized by IMechE HK Branch and HKARMS, was held on 14th October 2011. The workshop was run successfully with about 80 attendances. Our speaker, Mr Chris Peace, Principal Consultant of Risk Management Ltd in Wellington, New Zealand, gave an introduction on the 2009 international standard, ISO 31000 Risk management – Principles and guidelines, and outlined its applications within and across different functions in an organization. While the workshop focused on the risk management process set out in the standard it also touched on the 11 principles for effective risk management. Chris demonstrated not only his in-depth knowledge of risk management but also presented various topics in interesting manners. There were also various discussions and voting exercises to stimulate the thinking and feedback of audiences. These effective presentation methods kept the attentions of audiences and deepen the contents in their memories.

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Certificate Training Workshop:  
**Lifts & Escalators** 

by Barry KW Ng

Lifts and escalators play a significant role for vertical transportation in the modern city. Lift designers, property developers, and engineers are struggling to manage their lifts and escalators so to run safely.

In November and December, IMechE HK Special Project Sub-committee successfully organized a certificate training course on Management of Lifts and Escalators. This is a series of seven lectures covering a holistic view on the technologies, operation, maintenance, testing and examination, upgrading, and legal requirements of lifts and escalators.

We were delighted to have invited eleven organizations as our supporting organizations in the promotion, including ASME, HKIE-MMNC, BSOMES, SOEHK, CCPDC, HKARMS, HKOSHA, SRSO, HKAPMC, AABSE and IOSH. With their support, we attracted participants from various industries related to the lift and escalator.

We would like to express our sincere gratitude to our four guest speakers, including Mr. Yip Sai Wa from Mitsubishi, Dr. Albert So from the international Association of Elevator Engineers, Mr. Gordon Ng from the EMSD and Mr. Nelson Ng from MTR.

In order to further promote the knowledge of lift and escalator, we expect to continue launching similar courses at a regular basis in the future.
Organisers:

Supporting Organisations:

Design for Elderly Competition 2012

To spark the interest in youths in caring for the society, developing an active learning spirit and applying their acquired knowledge to repay the community, the “Design for Elderly Competition” was held on six occasions from 2003 to 2011 and enthusiastically sponsored by various companies. It also enabled many students to realise their dreams and develop their concepts into products that benefit the elderly in their daily life. With positive feedback from the community, this event surely gives students an opportunity to apply what they learnt and increase the mutual understanding between the elderly and the young, so that a harmonious society can be nurtured and sustained.

This year, the 7th Design for Elderly Competition 2012 (DFE2012) was co-organised by the Institution of Mechanical Engineering (IMechE) Hong Kong Branch, Senior Citizen Home Safety Association (SCHSA) and the Hong Kong Polytechnic University (PolyU), with support from the Education Bureau, Hong Kong Science Museum, Electronics Technology Education Association (H.K.) and Hong Kong Technology Education Association.

120 applications were received for the competition, split into the “Product Design for Elderly” division, which involved the design and manufacture of prototype products, and “Innovative Ideas Presentation” division, presenting more conceptual ideas, both aimed at improving the capability of the elderly.

The first round of the competition was held on 18th February 2012 at The Hong Kong Polytechnic University, where participants had to present their ideas to and answer questions from a panel of judges. Based on the judges’ scores, 34 teams were chosen to attend the finals held on 10th March 2012 at the Hong Kong Science Museum. Participants had to set up booths exhibiting their products or ideas; panels of judges visited and evaluated each booth, and a group of elderly citizens were also invited to the event to vote in the most popular design award. The award presentation ceremony was attended by honourable guests from the HKSAR Education Bureau, Elderly Commission, Hong Kong Science Museum, PolyU, SCHSA and IMechE.

If you would like to see the products physically, a final exhibition of select participant products will be tentatively held for 2 weeks in the beginning of April at the Hong Kong Science Museum, along with a 1-2 day display at a shopping mall (details to be confirmed).
“Mechanical Engineering is Everywhere”

Are you aware of mechanical engineering around you each day? It could be as complicated as a rocket, however it could be also as simple as a stapler. We are proud to be a Mechanical Engineer. Let’s see how we change people’s life everyday.

The life is full of concepts of:

- mechanics/
- kinematics/
- thermodynamics/
- materials science/
- structural analysis/
- mechanics/
- thermodynamics/
- material science/
- kinematics/
- materials science/
- mechanics/
- structural analysis/

Which concept are those items using .......CHECK IT OUT !!!
Volunteering in IMechE HKB is an amazing experience to me. Being a volunteer in the Young Member Section (YMS), we take up the responsibility to serve our members in the Institution, and to promote the growth of our professionalism.

We lift up the vision and mission, by a team of energetic young engineers. We enjoy our job as an engineer, and therefore, without doubt that we would like to tell people how wonderful it is.

Volunteering is not just a dedication. More than that, our young engineers are benefit from the nice platform provided by the institution. We meet friends in YMS, joining as a team, sharing the friendship and the amazing team spirit. It is more like a family.

Moreover, we have the nice chance to meet with the committee members of Hong Kong Branch (HKB). They are all outstanding and experienced engineers in the discipline. They share their knowledge and skills from running many different projects in IMechE HKB, demonstrating great leadership spirit, which is totally a gain to us.

Finally, I would like to express my appreciation to Mr WK Chow, Mr Louis Szeto, and other committee members in HKB, for their encouragement. They are outstanding leaders in the institution. Moreover, appreciation should be given to our team members in YMS for their continuous support. We cannot succeed without a team. The team spirit makes me growth. Our team members, young engineers, own this appreciation and award.
# IMechE HK Branch Activity Schedule 2012


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<tbody>
<tr>
<td>43. 9 June 2012</td>
</tr>
<tr>
<td>44. 27-30 June 2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>July 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>45. 12 July 2012</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>August 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>46.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>September 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>47. 20-22 Sep 2012</td>
</tr>
</tbody>
</table>
MEMBER SURVEY 2012

INSTITUTION OF MECHANICAL ENGINEERS – HONG KONG BRANCH

MEMBER SURVEY 2012

Your views can definitely help us serve you better. Please spare a few minutes to complete this simple form and enter our 2012 Lucky Draw.

- **First Prize – ONE Prize**: IMechE HK Branch Leather Portfolio
- **Second Prize – TWO Prizes**: IMechE HK Branch Crystal
- **Third Prize – THREE Prizes**: IMechE HK Branch Polo Shirt

**SECTION 1: Your Information – Help Us to Understand You More**

1. **How many years have you been a member of IMechE?**

<table>
<thead>
<tr>
<th>Years</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1 Year</td>
<td>Between 2 to 8 Years</td>
</tr>
<tr>
<td>Between 9 To 15 Years</td>
<td>More Than 15 Years</td>
</tr>
</tbody>
</table>

2. **What is(are) your reason(s) for joining IMechE / maintaining membership?**

<table>
<thead>
<tr>
<th>Reason</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status</td>
<td>Source of Technical Information</td>
</tr>
<tr>
<td>Career Advancement</td>
<td>Knowledge Sharing and Networking</td>
</tr>
<tr>
<td>Other – Please specify:</td>
<td></td>
</tr>
</tbody>
</table>

3. **Are you a member of any other professional engineering institutions in the past 3 years?**

<table>
<thead>
<tr>
<th>Institution</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASME</td>
<td>IEAust</td>
</tr>
<tr>
<td>CIBSE</td>
<td>IStrucE</td>
</tr>
<tr>
<td>Other – Please Specify:</td>
<td>HKIE</td>
</tr>
</tbody>
</table>

**SECTION 2: Information/Opinion On The Past IMechE HK Branch Events**

4. **Which type(s) of IMechE events have you attended last year?**

<table>
<thead>
<tr>
<th>Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar</td>
<td>Certificate Course</td>
</tr>
<tr>
<td>Technical Visit</td>
<td>Competition</td>
</tr>
<tr>
<td>Conference</td>
<td>Sport</td>
</tr>
<tr>
<td>Other – Please specify:</td>
<td>Volunteering and Education</td>
</tr>
</tbody>
</table>

5. **Where did you learn about these IMechE Events?**

<table>
<thead>
<tr>
<th>Source</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMechE website</td>
<td>IMechE Newsletter</td>
</tr>
<tr>
<td>IMechE e-circulation</td>
<td>University</td>
</tr>
<tr>
<td>Colleagues or Friends</td>
<td>Other – Please specify:</td>
</tr>
</tbody>
</table>

6. **What is the percentage of society-organized events you have attended last year was from IMechE HK Branch?**

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 20%</td>
<td>Between 20% and 40%</td>
</tr>
<tr>
<td>Between 20% and 40%</td>
<td>Between 40% and 60%</td>
</tr>
<tr>
<td>Between 40% and 60%</td>
<td>Between 60% and 80%</td>
</tr>
<tr>
<td>More Than 80%</td>
<td>More Than 80%</td>
</tr>
</tbody>
</table>

7. **What is your overall impression on the events organized by IMechE HK Branch last year?**

<table>
<thead>
<tr>
<th>Impression</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent</td>
<td>Average</td>
</tr>
<tr>
<td>Good</td>
<td>Fair</td>
</tr>
<tr>
<td>Other Opinions:</td>
<td>Other Opinions:</td>
</tr>
</tbody>
</table>

**SECTION 3: Suggestions on IMechE – North East Asia Region (NEAR)**

8. **Have you heard of NEAR?**

<table>
<thead>
<tr>
<th>Heard of NEAR</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

9. **Are you interested in any overseas activities in the North East Asia Region?**

<table>
<thead>
<tr>
<th>Interested</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

10. **What kind of overseas activities in NEAR are you interested in?**

<table>
<thead>
<tr>
<th>Activity</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar/ Conference</td>
<td>Certificate Course</td>
</tr>
<tr>
<td>Technical Visit</td>
<td>Competition</td>
</tr>
<tr>
<td>Other – Please specify:</td>
<td>Special Interest Groups</td>
</tr>
</tbody>
</table>
11. What do you expect to gain from IMechE – NEAR?
| Overseas Exposure | Understanding Engineering Development in Overseas |
| Networking         | Looking for Career or Business Opportunity         |
| Professional       | Knowledge through Technical Visit or Courses or Conference |
| Other – Please specify: |

**SECTION 4: Suggestions / Opinion on IMechE HK Branch Events**

   - Yes
   - No

   - Yes
   - No

14. Would you be interested to join the Mentorship Program either as a mentee or mentor?
   - Yes
   - No

15. Have you heard of the Young Engineer Forum? ([http://www.imechehk.org.hk/calendar.html#ceo](http://www.imechehk.org.hk/calendar.html#ceo))
   - Yes
   - No

16. Have you heard of the ME Speech Club?
   - Yes
   - No

17. Would you be interested to join the ME Speech Club and/or Branch Volunteer to serve in the Sub-Committee?
   - Yes
   - No

   - Informative
   - Appealing
   - Easy and convenient to surf

   Area of Improvements:

19. Have you participated in the Council Member and Vice President postal/electronic ballot?
   - Yes
   - No

20. Would you be interested for the Branch to set up a Special Interest Group?
   - Yes
   - No

   If Yes, please specify:

21. Please write down your further opinions/suggestions on events organized by IMechE HK?

22. Please fill in your personal information for the lucky draw purpose only OR ignore this part if you are not interested in the lucky draw.

   Name:
   IMechE Membership Number:
   Class of IMechE Membership: Fellow / Member / Associate / Affiliate
   Email Address:
   Contact Number:

Please complete the survey on or before **11 June 2012** for the Survey Lucky Draw, and return it to us by:

**Email:** imeche@imechehk.org.hk / Fax: 852 2894 9885 /

**Post:** IMechE HK Office, Room 1606, 16/F Dominion Centre, 43-59 Queen's Road East, Wanchai, HK