

# SUARA TEEAM



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A publication of **The Electrical and Electronics Association of Malaysia**

**60th Diamond Jubilee Issue**

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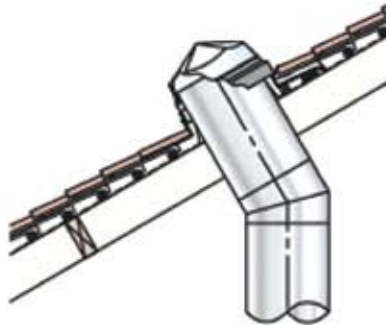


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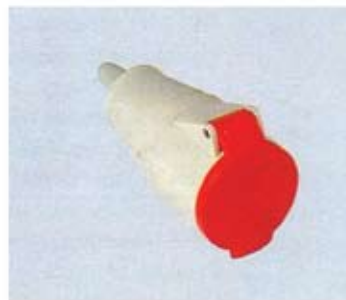


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## *From The Editor's Desk*



The European financial crisis is still brewing with lots of uncertainty. The impact is felt greatly by manufacturing countries which depend on exports to Europe.

The Malaysian economy grew at 4.9% for Q1 and 5.4% in Q2. Public sector investment has been a key driver in comparison to private sector investment. The increase in fiscal deficit is of concern in terms of sovereign rating. It is in the interest of the country to address the debt/GDP ratio.

CIDB continues to record growths in projects awarded. For the first 5 months of this year the number of projects is 1,743 totaling RM26.6B in comparison to 1,703 totaling RM19.1B for the same period in 2011.

AFEEC/FAPECA Conference/Board Meetings were held in Hong Kong on 4th and 5th June this year. We had a bigger delegation of 11 consisting of our President, Deputy President, Vice Presidents, Honorary Secretary, Adviser and Executive Secretary. The event was a great success and we acknowledge the generosity of our host, HKECA. The 2013 AFEEC/FAPECA Conference/Board Meetings will be held in Bali and hosted by AKLI.

While you read this issue we are celebrating the 60th Anniversary of TEEAM. TEEAM is grateful of your presence in this important dinner and appreciates your contribution and participation in this very important event.

Regards,

*Ir Chew Shee Fuee*  
Editor  
Suara TEEAM





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# Courtesy Visit by Ninghai County, China

On 6th April 2012, a 7-member delegation led by Mr Chu Yingliang, Mayor of the People’s Government of Ninghai County paid a courtesy visit to TEEAM. The delegation included Mr Huang Caixiang (Vice Director of People’s Government Office of Ninghai County), Mr Ma Xianmao (Director of Foreign Investment Promotion Bureau of Ninghai County), Mr Feng Jian (Director of E.D.Z Science & Technology Park Administration of Ninghai County), Mr Shi Daowei (Director of Land & Resources Bureau of Ninghai County), Mr Shi Jianjun (Advisor of Changjie Town People’s Government of Ninghai County) and Mr Gu Zhen Wu (CEO of Ningbo Success Zhenye Luminaire Ltd Liabilities Co).



During the meeting – Emcee, Mr Jack Soon Lee Hock giving an introductory remark.

Three representatives comprising Mr Tan Ah Ping (Managing Director), Mr Who Way Cheang (General Manager) and Ms Cass Quak (PA to Executive Director) from Success Electronics & Transformer Manufacturer Sdn Bhd and Mr Pau Chew Sing, National Council Member from Malaysian-China China Chamber of Commerce also attended the meeting.

On hand to receive them at TEEAM were Engr Fu Wing Hoong (President), Mr David Chong Ah Nyap (Vice President), Mr Jack Soon Lee Hock (Asst Hon Secretary), Mr William Young Chee Keong (Internal Auditor) and Mr Ooi Eng Guan (Council Member).

## Ninghai Overview

Ninghai is the sub-center city of southern Ningbo. Situated on the central coast of Zhejiang Province on the border of Ningbo and Taizhou adjacent to Shanghai and Hangzhou, it is located conveniently in the middle of the east coast of mainland China and the economically developed Yangtze River Delta. Mould, stationery, auto parts, lighting, hardware machinery and electronics

industries are the six traditional flagship industries of Ninghai.

Ninghai also has six new emerging industries, namely new energy, new materials, numerical control equipment, harbor (home furnishing & construction materials), biopharmacology and travel & leisure products. In recent years, Ninghai had drawn out an industrial blueprint based on “six plus six” industries, with focus on the development of “2 Zones plus 8 parks”. (2 Zones refer to Zhejiang Ninghai Economic Development Zone and Ninghai Bay Recycling Economic Development Zone; 8 Parks refer to the manufacturing parks of stationery, mould, new energy, auto parts, new construction materials & home furnishing, numerical control equipment, electronics and biopharmacology). Currently the six new emerging industries have been developing rapidly, especially the new energy industry.

## New Energy Industry

An example of the new energy industry is the single crystalline silicon solar project. Ninghai would guide the development of the photovoltaic industry, with the planning and

development of a complete industry chain comprising “single crystalline silicon → silicon chip → solar batteries & module → solar lamps”, with the hope to develop a solar product base in China. Now it is already planning to build an industrial park for photovoltaic industry in the Ninghai Economic Development Zone.

## Electricity Supply

Ninghai is supplied with electricity by the East China Power Grid and has a complete transmission and distribution system with one 500KVA substation and two 220KVA substations. The electricity supply is abundant since the Guohua Power Plant, which has an installed capacity of 4 million KW, has been put into operation and can provide sufficient and reliable power supply with a daily output of 4,713,440 KWH.

## Conclusion

The discussion was very fruitful. Both parties shared market information on the E&E industry, and discussed challenges, business opportunity and business trend/market conditions for further business development.



For the album – A group photo capped off the event.



Souvenir exchange – (left) Engr Fu Wing Hoong (TEEAM President) receiving a souvenir from Mr Chu Yingliang (Mayor of the People’s Government of Ninghai County, China).





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# AFEEC/FAPECA Conference & Meeting in Hong Kong

The conference and meeting of the Asean Federation of Electrical Engineering Contractors (AFEEC) and the Federation of Asian Pacific Electrical Contractors Associations (FAPECA) for 2012 was organised in Hong Kong. The event held on 4th & 5th June 2012 was hosted by the Hong Kong Electrical Contractors Association (HKECA). To make the event more meaningful, activities were timed to coincide with the exhibition of Build4Asia. It is a four-in-one sustainable architecture, design, building services & electrical engineering exhibition held from 4th to 6th June 2012, at Hong Kong Convention & Exhibition Centre.

This annual conference and meeting drew participation from respective national associations including Association of Indonesian Electrical and Mechanical Contractors (AKLI), Korea Electrical Contractors Association (KECA), National Electrical and Communications Association, Australia (NECA Australia), Singapore



**Ir Rocky H T Wong** – TEEAM Honorary Fellow & Technical Adviser presenting a paper on “Mobility of Engineering Services Professionals”.

Electrical Contractors and Licensed Electrical Workers Association (SECA), Society of Philippine Electrical Contractors & Suppliers (SPECS), Taiwan Electrical Contractors Association (TECA), Thai Electrical & Mechanical Contractors Association (TEMCA), HKECA and TEEAM.



“Selamat Datang” to TEEAM’s delegates – (from left) Mr David Chong (Vice President), Engr Fu Wing Hoong (President), Mr Ho Khai Hong (Honorary Secretary) and Ir Steven Ng (Deputy President).

On 4th June 2012, after the opening of Build4Asia in the morning, a conference themed “Human Resources Issues in the Electrical Contracting Industry” was organised. Each country presented a paper addressing human resources issue in their own countries with similar focus on shortage of skilled human resources across the board. In the evening, a welcome dinner was hosted by HKECA at Maxim’s Palace with a variety of entertainments such as lion dance, musical instrument “erhu” performance and “face change” performance. Souvenirs were exchanged as a tradition between the host and AFEEC & FAPECA members to mark their continuous friendly bonding.

The next morning on 5th June 2012 saw the 50th AFEEC Council Meeting and 26th

FAPECA Executive Board Meeting being convened smoothly. Members had the opportunity to exchange views on current engineering practices and global trends. In the evening, a farewell dinner was held at the Mariners’ Club. It was a fun-filling farewell with karaoke singing and the climax was the beer competition. HKECA emerged champion again to defend their title which they won twelve years ago when Hong Kong was the host.

TEEAM delegates wish to record their gratitude to HKECA for their warm hospitality and flawless arrangements. The event was fruitful and memorable, and everyone certainly had a great time. AKLI Indonesia will take on the 2013 event which will be hosted in the lovely Bali Island.



**Strong friendship** – Delegates posing after the FAPECA Board Meeting.

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..... Continue AFEEC/FAPECA Conference & Meeting in Hong Kong



**Hong Kong here we come!** – Arrival at Hong Kong airport.



**For the album** – (from left) Mr Yoo Kwang Hyung (KECA Director), Engr Fu Wing Hoong (TEEAM President), Mr Lee Yoo Jong (KECA Vice President) and Mr James Kang (KECA Manager).



**Yummy** – TEEAM's delegates enjoying a sumptuous seafood dinner at Lei Yu Mun.



**Beer competition** – Delegates getting ready to take the challenge.



**For remembrance** – Group photo at Victoria Peak.



**Happy moment** – Delegates and spouses at the welcome dinner.



**TEEAM proposing a toast** – (from left) Mr Yap Ching Kiat (Vice President), Mr Ho Khai Hong (Honorary Secretary), Mr David Chong (Vice President), Engr Fu Wing Hoong (President), Ir Chew Shee Fuee (Vice President), Ir Steven Ng (Deputy President) and Ir Rocky H T Wong (Honorary Fellow & Technical Adviser).

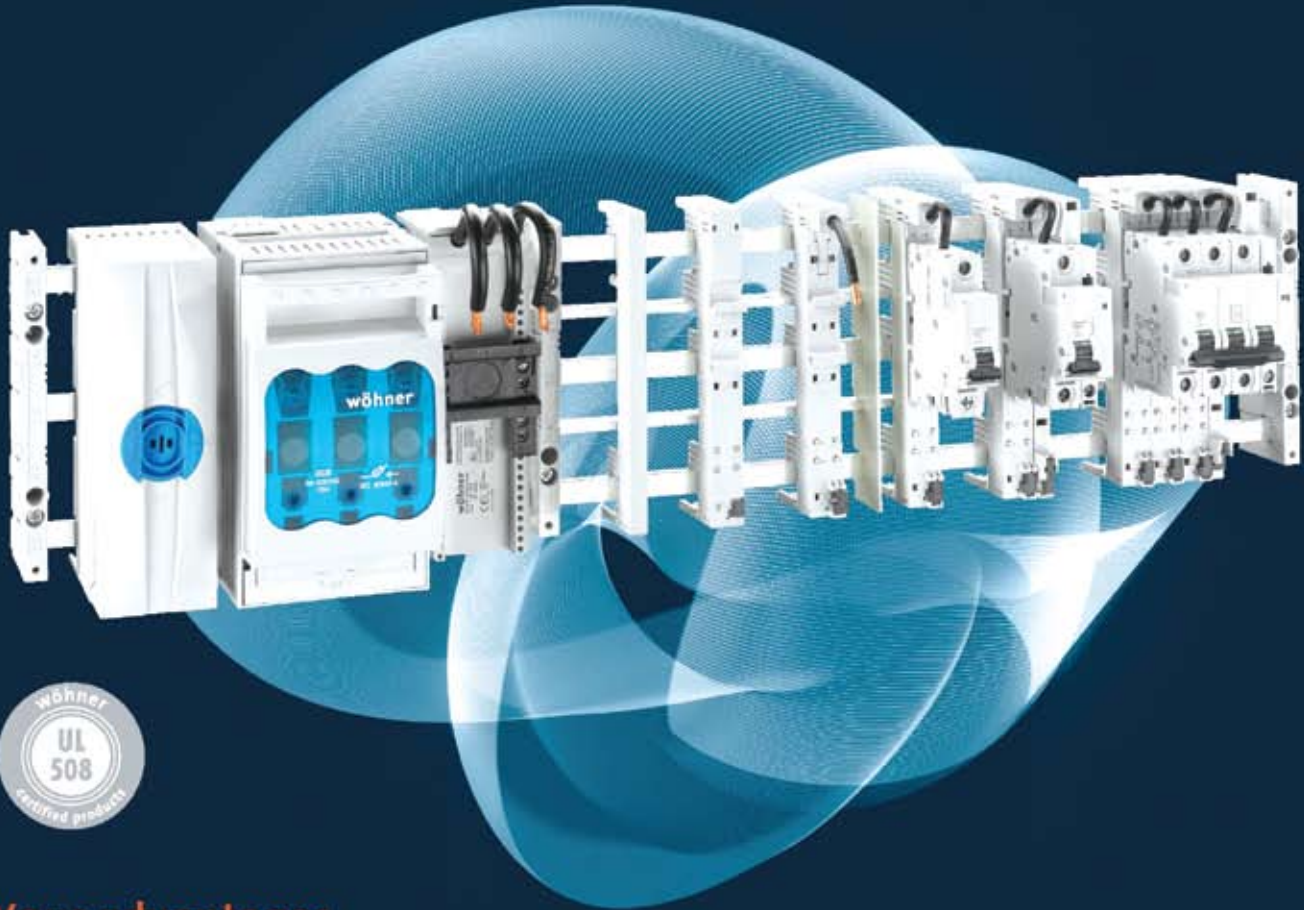


**Welcome luncheon** – (from left) Mr Julian Lam (Deputy Director, CLP Power Hong Kong.), Engr Fu Wing Hoong (TEEAM President), Mr John Tan (AFEEC President), Mr Lau Chun Kay (FAPECA Secretary General) and Mr Chuang Min Che (TECA President).



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# Courtesy Visit to New CEO of TNB

On 16th August 2012, TEEAM paid a courtesy visit to TNB's new President & Chief Executive, YBhg Dato' Ir Hj Azman Mohd. He was accompanied by his senior officials, Ir Kamaliah Abdul Kadir, Ir Nirinder Singh Johl and Ir Nik Hishamuddin Mohamed. The delegation from TEEAM comprised Engr Fu Wing Hoong (President), Ir Steven Ng Khoon Hwa (Deputy President), Ir Chew Shee Fuee (Vice President), Dato' Ir Lee Peng Joo (Immediate Past President and

Adviser) and Mr Ho Khai Hong (Honorary Secretary).

The visit aimed to congratulate Dato' Ir Hj Azman on his recent appointment as the President & Chief Executive of TNB. TEEAM also took this opportunity to put forward a proposal to TNB to display Power Factor (PF) surcharge on electricity bills for commercial and industrial tariffs as a way to promote awareness among consumers on the PF. The technical report on the suitability of

LED for road lighting in Malaysia which was prepared by TEEAM WG on LED was also highlighted during the discussion.

TEEAM President, Engr Fu also took the opportunity to invite TNB to TEEAM's Diamond Jubilee Dinner Celebration on 8th September 2012. Overall the discussion was very fruitful and TEEAM thanked Dato' Ir Hj Azman and his officials for the time and opportunity given to share issues of mutual concern.



**For the album** – (from left) Ir Kamaliah Abdul Kadir (TNB Senior General Manager, Customer Service & Metering Department), Mr Ho Khai Hong (TEEAM Honorary Secretary), Engr Fu Wing Hoong (TEEAM President), Ir Steven Ng Khoon Hwa (TEEAM Deputy President), Dato' Ir Lee Peng Joo (TEEAM Immediate Past President and Adviser), YBhg Dato' Ir Hj Azman Mohd (TNB President & Chief Executive), Ir Chew Shee Fuee (TEEAM Vice President) and Ir Nirinder Singh Johl (TNB General Manager, Customer Service & Marketing Department).



**Fruitful discussion** – Issues and ideas being shared.



..... Continue AFEEC/FAPECA Conference & Meeting in Hong Kong



**VIPs at Welcome luncheon** – (from left) Engr Fu Wing Hoong (TEEAM President), Mr C S Wai JP (Permanent Secretary for Works Development, HKSARS), Mr Howard Lok (HKECA President) and Mr William Chan (FAPECA President).



**Relax atmosphere** – Farewell dinner at Mariners' Club.



**At Build4Asia opening** – TEEAM's delegates posing a photo.



**TEEAM's delegates** – Posing before AFEEC Council Meeting convenes.







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- Digital Signage

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- Broadcasting Equipment • Post Production

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- Lighting Dimmer & Lighting Control System • LED Lighting & Control System





# Guangzhou Lighting Exhibition 2012

The Guangzhou International Lighting Exhibition (GILE) 2012, Asia's most comprehensive lighting and LED event which was held from 9th to 12th June 2012 at the China Import and Export Fair Complex, Guangzhou, has set new records for exhibitors and visitors attendance. This 17th edition of the exhibition was organised by Guangzhou Guangya Messes Frankfurt Co Ltd. The lighting exhibition was held concurrently with Guangzhou Electrical Building Technology Exhibition and Building Solar China Exhibition. Together the whole exhibition attracted 2,914 exhibitors showcasing their products in 21 halls covering 210,000 sqm. Visitor numbers increased by 10% compared to the 2011 event with the final count being 110,406 from 111 countries and regions.



Opening ceremony – Grand opening on 9th June 2012.

TEEAM Deputy President, Ir Steven Ng together with nine delegates from SECA Singapore and TEMCA Thailand, extended their stay after the AFEEC/FAPECA conference and meeting to join HKECA Hong Kong members to visit Guangzhou Lighting Exhibition.

They set off from Hong Kong at 10.00 am on 8th June 2012 in a chartered coach.

On the way, they dropped by Dongguan for a plant visit to Keystone Electric Wire & Cable Co

Ltd. They arrived in Guangzhou in the evening and checked into Villi International

Hotel. A welcome dinner was hosted by Messes Frankfurt for the AFEEC/FAPECA delegates.

The delegates attended the exhibition opening on the next day, 9th June 2012.

After the opening, the delegates were given a guided VIP tour. Other TEEAM members who visited the exhibition were Mr C T Siew, Mr Kong Chee Seng, Mr Lum Kok Ming and Mr Chan Kien Wai. The delegates to the exhibition continued to be impressed by the comprehensive range of lighting products

and technologies. It was a good place for meeting suppliers, industry experts and customers, and obtaining the latest market information.

Other attractive fringe programmes were the Asia LED Summit and AGORA Networking Forum. The summit featured LED industry experts from around the world exchanging first-hand information on LED technology. The AGORA forum saw fourteen industry associations converging to discuss trends and opportunities in the LED field.

Later in the night, the delegates went on a city tour of landmark structures along the banks of the Pearl River. The buildings were illuminated with fascinating architectural lights that left fond memories to the delegates. On the next day, the delegates left Guangzhou in separate ways to return to their respective countries.



VIPs – (from left) Ir Steven Ng (TEEAM Deputy President), Mr William Chan (FAPECA President), Mr Howard Lok (HKECA President) and Mr Basil Wai (CEO of Hong Kong Electric Industries Association, HKEIA).

## GILE 2012 – Exhibition aerial views







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# Turkish Business Meeting

On 30th May 2012, the Turkish Commercial Office of the Embassy of Turkey, Malaysia organised Business Matching for a visiting Turkish delegation with Malaysian business partners at the Renaissance Hotel, Kuala Lumpur. TEEAM was present in support of the event.

TEEAM President, Engr Fu Wing Hoong led a TEEAM delegation to the opening ceremony. Thereafter the members attended business matching meetings with the Turkish companies.

At the opening ceremony, TEEAM and Istanbul Electrical Electronics, Machinery and Information Technology Exporters' Association (TET) signed an MOU to strengthen the business relationship and promote business cooperation between TEEAM and TET members. It is hoped that the MOU will promote more business ventures in both countries. The signing of the MOU was witnessed by YB Dato' Jacob Dungau Sagan, Deputy Minister of International Trade and Industry, Malaysia.

In his speech, YB Dato' Jacob Dungau Sagan commended TEEAM and TET on such a collaboration. He also mentioned that TEEAM being an established E&E organisation with 1,700 members throughout Malaysia has participated actively in developing the nation. TEEAM serves as a focal point for Malaysian E&E SMEs and also provides inputs on policy formulation, standards development and regulations that are of concerns to the E&E industry. He added that the collaboration initiative between TEEAM and TET is a strategic and right step towards leveraging on each other's strength for the benefit of the E&E industry in Malaysia and Turkey. This MOU will provide the necessary platform for E&E companies of both countries to deepen their engagement.

Twelve prominent Turkish companies are seeking for partners, agents and distributors in Malaysia to form trade and investment collaboration. They had one-to-one interactive business matching meetings with the Malaysian companies.

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ARCELIK-LG Tel: +90 262 678 7878 www.arcelik-lg.com.tr	Air conditioners, inverter products VRS, Systems, air to water heat pump technology
ATM Tel: +90 542 233 0877 www.atm-tr.com	Wire and tube condensers for refrigerators and maintenance free condensers for the commercial coolers
DEKA Tel: +90 532 322 0383 www.de-ka.com	Power cord sets w/plugs, terminal boxes & blocks, non-sheathed cables, insulated cables
EMEK Tel: +90312 398 0181 www.emek.com.tr	Oil immersed current and voltage transformers up to 420 kV Dry Type (Epoxy Resin) current and voltage transformers up to 36 kV, disconnecting switches up to 245 kV
ONAIR Tel: +90 532 452 0730 www.onair.com.tr	Transmitters, amplifiers, antennas, radio studio equipment Digital Microwave Links (for audio and video)
OREN Tel: +90 212 220 4800 www.orenkablo.com	Coaxial cables for TV/internet/communications systems, CCTV and security cables, indoor telephone cables, control cables, low voltage power cables
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VESTEL Tel: +90 530514 4661 www.vestel.com	LCD, LED TV, settop boxes, refrigerators, washing machines, cookers, digital signage products.



Opening ceremony – VIPs seated at the front row.



Sharing views – (left) Dato' Zakaria Kamarudin (Deputy CEO of MATRADE), Engr Fu Wing Hoong (TEEAM President), YB Dato' Jacob Dungau Sagan (Deputy Minister of International Trade and Industry) and Her Excellency Serap Attay (Turkish Ambassador to Malaysia).

Earlier before the event took place, Mr Esat Durak, Commercial Counselor of the Turkish Commercial Office visited TEEAM on 18th May 2012. He was received by Mr Suresh Kumar Gorasia (Past President & International Affairs Chairman) and Mr Ho Khai Hong (Honorary Secretary). His visit aimed to seek TEEAM's support on their Business Matching Programme and to share some information between TEEAM and TET. Both parties had a very interactive and fruitful discussion.

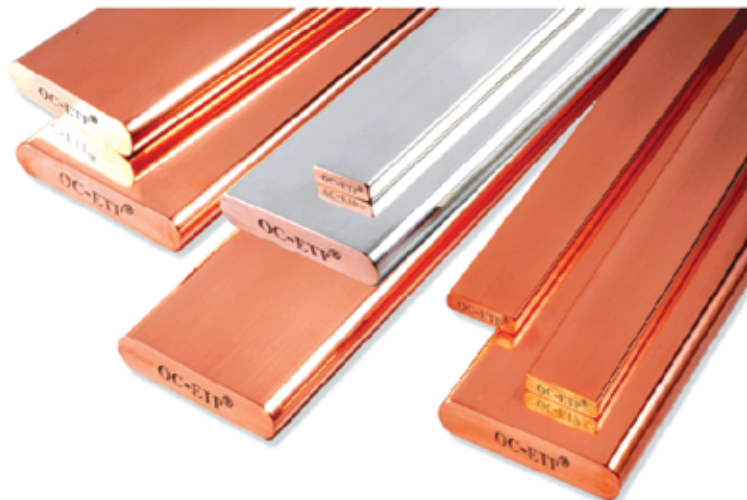


MOU signed & sealed – (left) Mr Fatih Kemal Ebiclioglu (TET President) exchanging MOU with Engr Fu Wing Hoong (TEEAM President).

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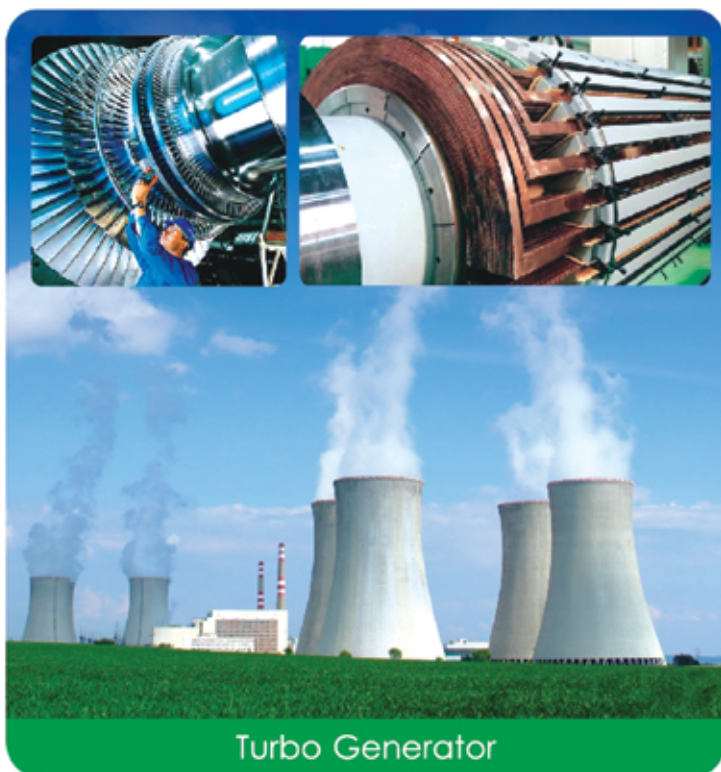
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..... Continue Turkish Business Meeting



**Beginning of friendship** – Engr Fu Wing Hoong (TEEAM President) and Mr Fatih Kemal Ebiclioglu (TET President).



**All Smiles** – (from left) Engr Fu Wing Hoong (TEEAM President), Mr Alun Jones (General Manager; MES) and Mr Lim Cha Cheng (Project Manager; MES).



**Networking** – (from left) Mr K. Subramaniam (TEEAM Council Member), Mr Hasan Onal (Turkish Commercial Counsellor), Engr Fu Wing Hoong (TEEAM President), Mr Ooi Eng Guan (TEEAM Council Member), Mr Suresh Kumar Gorasia (TEEAM Past President & International Affairs Chairman) and Mr Esat Durak (Turkish Commercial Counsellor).



**TEEAM delegates** – (from left) Mr Suresh Kumar Gorasia (Past President & International Affairs Chairman), Mr K. Subramaniam (Council Member), Engr Fu Wing Hoong (President), Mr Ooi Eng Guan (Council Member) and Ms Thila (Assistant Executive).



**Show of support** – (from left) Mr Sutesh Kumaraan (Datmel Technology), Ms Khalidah Hj Mustafa (Managing Director, SIRIM QAS International), Mr K. Subramaniam (TEEAM Council Member) and Mr Suresh Kumar Gorasia (TEEAM Past President & International Affairs Chairman).



**Visit from Turkish Commercial Office on 18th May 2012** – (from left) Mr Suresh Kumar Gorasia (TEEAM Past President & International Affairs Chairman), Mr Esat Durak (Turkish Commercial Counsellor) and Mr Ho Khai Hong (TEEAM Honorary Secretary).



**Business matching** – TEEAM officials at the one-to-one meetings with Mr Melih Recber (on the left) of OREN.







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# AGM 2012

The 2012 Annual General Meeting (AGM) of TEEAM was successfully held on 20th May 2012 (Sunday) at TEEAM Conference room. Some 53 TEEAM members were present at the AGM. In conjunction with the AGM, TEEAM organised a talk on “Tax Planning: Tax Audit & Investigation” in the morning. The speaker, Ms Elaine Wong from YYC, spoke about tax planning and other issues related to taxation. Members later had interactive sessions with the speaker to resolve some of their teething tax issues.

## Opening Address

When the AGM was called to order, President, Engr Fu Wing Hoong recorded a vote of thank to the MC of the day, Mr Jack Soon Lee Hock, and expressed his gratitude to members for their presence. He informed that TEEAM will celebrate its 60th Anniversary on 8th September 2012 at the One World Hotel and in conjunction with this TEEAM will establish a building fund where all the sponsorship fund raised will go into the building fund. The fund later will be used to upgrade and renovate the TEEAM building. In view of this, he requested all members to support this event by disseminate the information to their business associates and friends to participate in the event which will be a good platform for networking and to establish new business contacts.

Engr Fu highlighted some issues on the global economic environment which has been showing uncertainties. He advised the members to be more efficient, careful and hardworking to ride through the tough time. He also highlighted the key objectives of TEEAM and some of the significant activities that TEEAM had initiated especially on the technical report on suitability of LED for road lightings in Malaysia.

In his closing remarks, Engr Fu expressed his sincere thanks and gratitude for the trust and support shown by the members and he also expressed his sincere appreciation to the TEEAM Secretariat and the Council



**TEEAM Exco Members** – (from left) Mr Jack Soon Lee Hock (Asst Honorary Secretary), Mr Siew Choon Thye (MyCIE/NCCIE Chairman), Mr Wong Chin Cheong (Honorary Treasurer), Mr Ho Khai Hong (Honorary Secretary), Engr Fu Wing Hoong (President), Ir Steven Ng Khoon Hwa (Deputy President), Ir Chew Shee Fuee (Vice President), Mr Yap Ching Kiat (Vice President) and Mr David Chong Ah Nyap (Vice President).



**Good turnout** – Members listening attentively to the presentation on tax matters.

members for the hard work and cooperation given throughout the year.

## Acceptance of Minutes, Annual Report and Accounts

The AGM approved the minutes of the previous annual general meeting. Honorary Secretary, Mr Ho Khai Hong presented the annual report on the activities of the association. This was followed by the tabling of audited accounts by the Honorary Treasurer, Mr Wong Chin Cheong. Both the annual report and audited accounts were duly adopted by the AGM.

## Other Matters

The Vice President, Ir Chew Shee Fuee highlighted some of the forthcoming activities organised by TEEAM. He informed that the TEEAM Membership Recruitment Sub-Committee is organising a technical visit to Malaysian Newsprint Industries Sdn Bhd’s newsprint plant in Temerloh-Mentakab on 16th June 2012 where members can gain some knowledge about newsprint production and the power

generation facility which uses bio mass from palm oil mill waste. In conjunction with the TEEAM 60th Anniversary Dinner, the Engineering Construction and Services Committee will also be presenting Best Electrical Contractor Award to TEEAM members. The Committee decided to give four awards for four different categories (Industrial, Commercial, Infrastructure and Residential) and the winners will be recommended for AFFEC Awards for best Malaysian Contractor in the 2013 AFEEC/FAPECA Meeting.

He added that the Membership Recruitment Committee has targeted to recruit 2,020 members by year 2020. He advised members to visit the TEEAM website to obtain more information on the current and future activities; to download the Suara TEEAM; view the ST’s circulars and other valuable information. Besides, members can also retrieve information on past events and photos from the TEEAM facebook.

A buffet lunch was served after the adjournment of the AGM.



**Speaker** – Ms Elaine Wong giving explanation on the tax penalty schedule.





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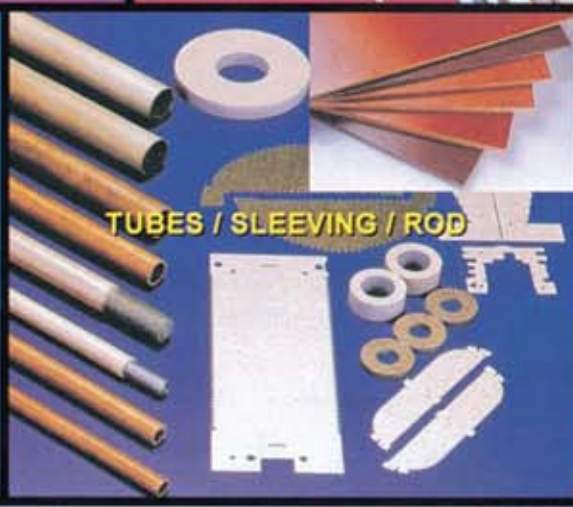
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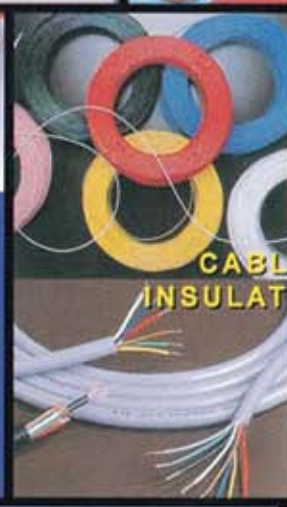
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# TEEAM Specialised Group – Engineering Construction & Services

by the Chairman, Ir Chew Shee Fuee.

## Power Factor (PF) Improvement

TEEAM is proposing to TNB for the display of PF on each consumer bill irrespective of any surcharge. The current practice is that only when surcharge is incurred the PF will be displayed.

If PF is constantly displayed it will indicate to consumer the condition of PF and how much it is above the minimum requirement. We encourage consumers to achieve high PF to increase the distribution of power.

PF is to be displayed for residential consumers as well if they have the new meters. This will educate them on the significance of good PF. It will indicate low PF when the supply side is using low PF appliances. CFL generally has low PF and it is widely used at homes. It will be a good move to encourage PF correction whenever it becomes necessary on a voluntary basis. It is an opportunity for those who wish to contribute to a greener environment.

## AFEEC/FAPECA Conference & Meeting in Hong Kong

The conference and meeting of the Asean Federation of Electrical Engineering Contractors (AFEEC) and the Federation of Asian Pacific Electrical Contractors Associations (FAPECA) for 2012 were held in Hong Kong on 4th & 5th June 2012, hosted by the Hong Kong Electrical Contractors Association (HKECA). AFEEC is a member of FAPECA.

This annual conference and meeting drew participation from respective national associations including Association of Indonesian Electrical and Mechanical Contractors (AKLI), Korea Electrical Contractors Association (KECA), National Electrical and Communications Association, Australia (NECA Australia), Singapore Electrical Contractors and Licensed Electrical Workers Association (SECA), Society of Philippine Electrical Contractors & Suppliers (SPECS), Taiwan Electrical Contractors Association (TECA), Thai Electrical & Mechanical Contractors Association (TEMCA), HKECA and TEEAM.

A conference themed “Human Resources Issues in the Electrical Contracting Industry” was organised. Each country presented a paper addressing human resources issue in their own countries with similar focus on shortage of skilled human resources across the board. Most countries are facing shortage of skilled workers except Thailand, Indonesia and Philippines. In fact Philippines is the country



Attentive – AFEEC Council Meeting in progress.

that is having the relevant human resource for export. SPECS is therefore encouraged to assist in getting the qualified skilled workers into member countries that need them.

TEEAM used to send a small delegation of less than 5 but we had 11 this year. Once again we encourage TEEAM members to participate in the AFEEC/FAPECA meetings. It is a great opportunity to network with our counterparts from member countries. AKLI Indonesia will take on the 2013 event which will be hosted in the lovely Bali Island.



Ir Chew Shee Fuee

## Self Meter Reading (SMR) TNB

TNB has introduced Self Meter Reading as an added option to their customers. The information below is taken from TNB website.

This option is open for domestic Ordinary Power Customers (OPC) to read the meter for three (3) consecutive months only. For the subsequent fourth month, the meter reading shall be conducted by TNB and this cycle continues.

### Benefits

- ⇒ For customers frequently not available in the house for meter reading by TNB
- ⇒ Customers will get the actual reading every month
- ⇒ Able to manage own monthly consumption

### Customers Who Qualify

- ⇒ Ordinary Power Customer (OPC) in domestic category only
- ⇒ Customers who receive estimated electricity bills frequently or disagree with estimated meter readings

### Two methods of Self Meter Reading

- ⇒ Via e-Services  
Customer to register and send the reading through e-Services at <https://e-services.tnb.com.my/>
- ⇒ Send SMS to 15454  
Customer to send the reading by SMS to 15454

### How to apply

- ⇒ Fill up the application form which is also available at the nearest TNB Customer Service Centre, with a copy of Identification Card
- ⇒ Submit the completed application to one of the following:
  - Fax to OSEC at 1300-88-5454
  - Email to [tnbsmr@tnb.com.my](mailto:tnbsmr@tnb.com.my)
  - TNB Customer Service Centre (where your account is)

### Notification for Meter Reading

TNB will notify the customers via SMS 15454 or email. Customers need to submit the reading within 3 days after notification from TNB.



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# TEEAM Press Conference

TEEAM organised a press conference on 28th July 2012 in conjunction with the annual academic excellence awards presentation. The issues highlighted to the Press are:

## Suitability of LED for Road Lighting

In the last few years, Light Emitting Diode (LED) has been marketed aggressively as the light source that can replace all the lamps that are now in common use, claiming that it is energy efficient, long life and green. In this time of unprecedented green movement, this has put a lot of pressure on policy makers who are obliged to reduce carbon emission and at the same time attract opportunists out to capitalize from this huge green bandwagon. However, experience with LED products for road lighting has so far been generally negative especially the long life or reliability aspect. Technical data of LED for road lighting did not indicate that LED is any more efficient than other highly efficient lamps that are much cheaper, widely used and easily available in the market. As such, involvement of government in promoting the use of LED for road lighting using public fund without proper detailed cost and benefit justification need to be reviewed urgently.

Under such circumstances, TEEAM which is in the forefront in promoting green, is taking the initiative to study the use of LED in areas of public interest. The formation of the Working Group involving all interested parties to study the suitability of LED for road lighting is one of such initiatives.

This Working Group is established to evaluate the suitability of LED light source for road lighting as this area of lighting is of immense public importance as it involves:

- (a) the safety and security of road users,
- (b) the use of public funds to provide, maintain and operate road lighting systems, and
- (c) the environmental impact to the manufacture, distribution, use and finally disposal of lighting equipments and consumables.

This Working Group was established to study the suitability of LED light source for road lighting at this moment of its technological development, in response to the call of many stakeholders in the road lighting industry



Q & A session – TEEAM officials enlightening issues to the Press members.

who are extremely concerned that untimely rush into the use of this technology may cost the federal government, state government, local government and highway operators, dearly in providing safe road lighting and this cost will ultimately be passed back to all Malaysians in the form of direct and indirect taxes and higher toll charges. They are also concerned that there is no proper detailed cost and benefit justification and comparison with the best of existing proven technology, thus creating an unhealthy situation that is open to abuse by unscrupulous opportunists for their own benefit at the expense of the general public.

At this stage of LED development, the conclusion of this study is as follows:

	Advantage of using LED	For 3-lane dual carriageway (ME1 lighting class)	For 4-lane bi-directional carriageway (ME2 lighting class)
1) Energy saving	No	LED use 15% more power	LED use 10% more power
2) Cost saving	No	Increase initial cost by 5 times with LED products	Increase initial cost by 2 times with LED products
3) Maintenance cost over 20 years	No	12.5 times more with LED products	5 times more with LED products
4) Safety and security	No	Impact of LED on road lighting is still under deliberation. Current lighting standards have to be respected, or public safety will be compromised.	
5) Environmental impact	No	5 times more using LED products	2 times more using LED products

## PF Display on Electricity Bills for Commercial and Industrial Tariffs

TEEAM has conducted a study and recommended a reward system for consumers who can provide Power Factor (PF) higher than 0.90 which is 0.05 better than the minimum 0.85 stipulated in the Electricity Supply Act (1990). This proposal had been conveyed to TNB as well as Suruhanjaya Tenaga since 2010 and is still being considered by the Ministry of Energy, Green Technology and Water.

TEEAM believes that high PF will benefit the consumers as well as the utility. The current TNB practice is to display PF only when a surcharge is applied. This is good enough to meet the tariff requirement. In view of encouraging better PF management it will be in the interest of all parties if the value of PF can be displayed on all electricity bills. This will give an indication of the PF profile of every consumer. It will also give a good indication to those installations when PF is near the borderline area and action needs to be taken to prevent low PF.

Therefore TEEAM requests TNB to display PF on all electricity bills in the commercial and industrial sectors even when there is no PF surcharge.



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..... Continue TEEAM Press Conference

**Energy Saving Compact Fluorescent Lamp (CFL) Recycling Project**

Energy saving compact fluorescent lamp has been popular among consumers due to its high light efficiency, low power consumption and relatively long service life. However, due to the use of mercury in the production of the lamp and the unavailability of recycling facilities, CFLs are polluting our landfills. Mercury and most of its compounds are extremely toxic. It can be inhaled and absorbed through the skin. It also enters into the environment through the improper disposal (e.g., land filling, incineration) of certain products. Given the poor waste recycling/waste separation culture in Malaysia, TEEAM has to try to reduce the contribution of mercury polluting our soil and water.

Most people are uninformed and therefore treat the energy saving lamps as regular incandescent lamps, therefore they discard the lamp as common waste. Even if users are informed of the mercury content and its dangers, Malaysia does not have the right infrastructure to recycle and deal with this mercury pollutant therefore they are forced to discard the lamp as common waste.

TEEAM is collaborating with an LED lighting company to offer new LED bulb as an incentive to encourage the public to

recycle the CFLs. The collected CFLs will then be sent to Kualiti Alam to recycle the lights safely. This project aims to educate the community of the environmental issues related to the improper disposal of CFLs.

Although the provision of free LED lamp is not a sustainable long term solution, TEEAM anticipates that after the project cycle, the community will be more aware of the harm of mercury and will make the right decision to recycle the lamps instead of disposing them as common waste.

**Skill Promotion**

TEEAM has been appointed by the Department of Skills Development to be one of the Industry Lead Bodies (ILBs) to develop new Occupational Area Analysis (OAA) and National Occupational Skills Standard (NOSS) for the Electrical and Electronics Sector. TEEAM together with MIT Academy are promoting Skills Training Programmes among the secondary school students by organising road shows all over



**TEEAM's Spokes-persons** – (from left) Mr Ho Khai Hong (Honorary Secretary), Engr Fu Wing Hoong (President) and Dato' Ir Lee Peng Joo (Immediate Past President/Adviser).

Malaysia. The intention is to promote the economy into higher value chain by increasing the number of skilled workers.

In TEEAM, we are conducting a 3-month full time building wiring installer course which is sponsored by the Construction Industry Development Board (CIDB). Upon completion of the course, a skill certificate and the CIDB green card will be awarded to the trainees. The course is aimed to train more construction personnel involved in low voltage electrical wiring installation and related electrical equipment. We hope to produce tradesmen in this specialised field to support national development and industry needs. The October 2012 intake is now open for enrolment.



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# Technical Visit to MNI

The TEEAM Membership Recruitment Sub-Committee organised a technical visit to Malaysian Newsprint Industries Sdn Bhd (MNI)'s newsprint plant in Temerloh-Mentakab on 16th June 2012. Some 39 members (14 members from the Perak Association) participated in the visit, headed by Ir Chang Yew Cheong (Membership Recruitment Chairman).

The visit was an eye opener to the members. A briefing on MNI was presented by Mr Barry Yeap Chee Man (Paper Machine Manager) and thereafter members were taken to a plant tour where they had the opportunity to view the generators/plants used and how newsprint is being produced. The energy requirement uses biomass from palm oil mill waste.

During the tour Mr Lim Kok Hui (Mill Electrical & Engineering Manager) briefed the members with sufficient information on the plant used and its functions.



**Thank you** – (right) Mr Barry Yeap Chee Man (MNI Manager) receiving a token of appreciation from Ir Chang Yew Cheong (TEEAM Membership Recruitment Chairman).

MNI is a 100% recycling Newsprint Mill and the leading Newsprint provider in Malaysia. A 42 bar biomass boiler was implemented in 2009. The energy supply is thus turned sustainable – substituting large oil fired boiler. The new boiler produces steam for the paper process and is furthermore able to produce up to 7 MW of electricity for its own consumption. The biomass boiler uses excess biomass residue from nearby palm oil mills, which typically consists of empty fruit bunches, fibers and palm kernel shells. Apart from palm residues, the boiler is also able to use wood waste from nearby wood industry when available.

The project secures carbon neutral energy production by supporting the switch from fossil fuel to biomass. This reduces the CO<sub>2</sub> emissions from the MNI production significantly. The transportation and handling of biomass cause small emissions of green house gas, but these are included in the overall emission reduction calculation.

MNI is a joint venture between three Malaysian companies and a Norwegian company, set up for the purpose of developing a world scale, state-of-the-art newsprint plant in Malaysia. The shareholders are New Strait Times Press, Hong Leong Group,



**Briefing** – Mr Barry Yeap Chee Man (MNI Manager) giving a short presentation on MNI.

Rimbunan Hijau Group and Norske Skog Industrier ASA.

The three Malaysian partners are major newspaper publishers in Malaysia. Together they account for almost 70 % of the newspaper publishing industry in Malaysia comprising some of the most popular daily newspapers in the country such as The New Strait Times, Berita Harian, Nanyang Siang Pau, China Press and Sin Chew Jit Poh.

The foreign partner, Norske Skog Industrier ASA is one of the world's largest manufacturers of newsprint. MNI is now the pioneer of the most sophisticated technology in Malaysia - one ranked amongst the world's top newsprint production facilities, with an annual capacity of over 260,000 tonnes of newsprint production per year. Its water treatment plant capacity is 15,000 m<sup>3</sup>/day.

Members of TEEAM wish to record their appreciation and thanks to MNI for the interesting technical visit and warm hospitality.



**Plant visit** – Members getting a briefing on the scada system that controls production.



**After process** – Newsprint jumbo rolls.



**For the album** – A group photo capped off the event.



**Go green!** – The palm oil waste used as burning fuel.







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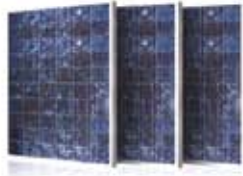
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# LED Talk & Video Conferencing

The MyCIE (Malaysia CIE) organised a talk on Photometry of LED Lighting Devices and Video Conferencing on The CIE System for Mesopic Photometry based on Visual Performance (CIE 191:2010) on 16th July 2012 (Monday) at MMU, Cyberjaya with an overwhelming 96 participants. The talk was supported by TEEAM and Standards Malaysia.

Prior to the talk, MMU organised a Faculty of Engineering (FOE) lab tour, during which the participants had the opportunity to visit most of the FOE labs in MMU to view the research activities, lab facilities and student's experiments.

The talk on Photometry of LED Lighting Devices was presented by Mr Tony Bergen, an invited speaker from CIE Australia. He is the Technical Director of Photometric Solutions International, Melbourne, Australia and has served on more than 15 international technical committees creating standards and technical reports. He is also the Vice President of CIE Australia and Australian Representative for CIE Division 2. The talk ended with an interactive Q&A session.



**MyCIE Chairman** – Mr C T Siew presents his welcome address and MyCIE profile.



**Speaker 1** – Mr Tony Bergen giving his presentation.

Thereafter, Ms Teresa Goodman presented on the CIE System for Mesopic Photometry based on Visual Performance (CIE 191:2010) via video conferencing. Ms Teresa Goodman is a Principal Research Scientist of the Optical Radiation Measurement Group at National Physical Laboratory in the UK. She is active in many national and international committees, including the International Commission on Illumination, or CIE, where she serves as Vice President (Publications). She played a leading role

in the development of the recently-agreed CIE system for mesopic photometry and now chairs the CIE Technical Committee on practical measurements in the mesopic region.

During the Q&A session, participants had the opportunity to extend their questions personally to Ms Teresa Goodman.

Overall the two talks had benefited all the participants.



**Speaker 2** – Ms Teresa Goodman presents her talk via video conferencing from UK.



**Good response** – Participants listening attentively to the presentation.



**FOE Labs** – Participants during the FOE lab tour.



**For the album** – (from left) Dr Tan Ching Seong (MyCIE Committee), Mr Glenn Tiong (MyCIE Vice Chairman), Mr C T Siew (MyCIE Chairman), Mr Tony Bergen (Speaker), Mr Narendren (MyCIE Treasurer), Ir Chew Shee Fuae (MyCIE Adviser) and Ms Lim Swee Yoong (MyCIE Secretary).





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# Talk on 3D Image Acquisition

On 27th June 2012, the Division 8 Working Group of MyCIE organised a talk on “New Frontier in the Standards: 3D Image Acquisition System” at MMU, Cyberjaya. Some 18 participants attended the talk. The speaker was Dr Tan Ching Seong, Associate Professor in Multimedia University. MyCIE Treasurer, Mr Narendren chaired the talk and MMU Dean, Associate Professor Dr Hin Yong Wong was also present to give an opening address.

To this date, MMU has offered undergraduate course in optical engineering and postgraduate courses in photonics. The university welcomes the opportunity to collaborate and to engage the staff and students for solid state lighting projects and industrial works. The following topics were covered during the talk:

- a. Introduction - 3D imaging system
- b. Applications of specific imaging modalities
- c. Data Storage, transmission & processing
- d. 3D displays
- e. New frontier in the industry standards - possible approaches
- f. Research highlight - Active & Passive Systems



Attentive – Briefing on some testing equipment at FOE lab.

After the talk, the participants were taken for a lab tour where they had the opportunity to visit the FOE labs, the centre for advanced devices and systems (CADS) which consist of:

- 1) Digital Home
- 2) ROBOCON lab
- 3) KOMAG

- 4) Nano lab
- 5) Microfab
- 6) Panasonic
- 7) Optical Lab.

During the tour, participants were given the opportunity to view the research activities, lab facilities and student’s experiments. Overall it was a very fruitful event.

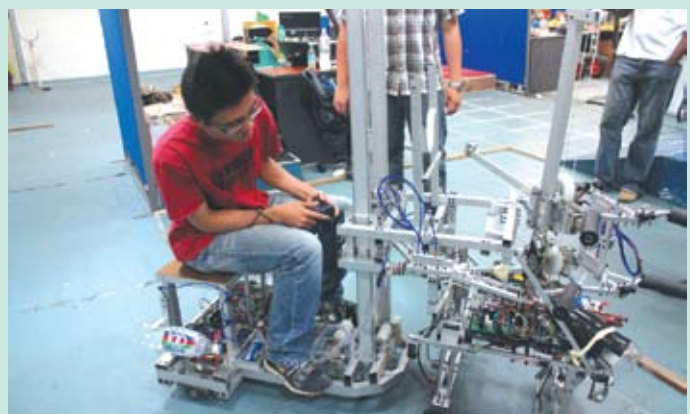


MyCIE Treasurer – Mr Narendren presents his opening address and highlighted MyCIE profile.

FOE labs – Participants during the FOE labs visit in MMU.



Speaker – Dr Tan Ching Seong.





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