

# IET

The Institution of  
Engineering and Technology

THE 20<sup>TH</sup> ANNIVERSARY

# IET BRUNEI DARUSSALAM



**RADISSON HOTEL - BANDAR SERI BEGAWAN  
18<sup>TH</sup> AUGUST 2018**

[www.theiet.org](http://www.theiet.org)

THE INSTITUTION OF ENGINEERING & TECHNOLOGY, BRUNEI DARUSSALAM NETWORK



## پیتروکون اوٹام سنڊیرین برحد

### PETROKON UTAMA SENDIRIAN BERHAD

#### SERVICING THE OIL & GAS, PETROCHEMICAL & CONSTRUCTION INDUSTRIES

Petrokon Utama Sendirian Berhad (PUSB), established in Brunei Darussalam since January 1984, is a multi-discipline engineering consultancy providing design engineering and project management services to local and international oil and gas, petrochemical industries and infrastructure projects.

In addition to servicing the oil and gas companies through direct contract, PUSB has extensive experiences working with both international and local contractors either as contractor or alliance partner in undertaking EPIC contract. Petrokon Utama Sendirian Berhad employs professional engineers and technical support personnel. We provide a complete range of engineering services for medium to large sized projects in a brownfield and greenfield environment.

#### OUR SERVICES :-

- ✔ Feasibility studies & Design
- ✔ Concept Engineering Design
- ✔ Detailed Engineering Design
- ✔ Project Management Consultancy
- ✔ Maintenance and Schedule Turn Around Engineering
- ✔ As-built Engineering
- ✔ Engineering, Procurement and Construction Management
- ✔ Quantitative Risk Analysis
- ✔ Cost and Value Engineering

#### OUR TEAM :-

- ✔ Feasibility and Front-End Engineering
- ✔ Process Engineering
- ✔ Mechanical Engineering
- ✔ Electrical Engineering
- ✔ Control & Automation Engineering
- ✔ Pipeline Engineering
- ✔ Technical Safety and Risk Engineering
- ✔ Civil Engineering
- ✔ Structural Engineering
- ✔ Maintenance Engineering



#### Health, Safety, Security & Environment

"ROBUST HSSE MANAGEMENT SYSTEM"

"COMPLIANCE TO CLIENTS HSSE REQUIREMENTS"

"8 MILLION MANHOURS WITHOUT LOST TIME INJURY (LTI)"



#### Quality Assurance

"BRUNEI'S FIRST OIL & GAS ENGINEERING DESIGN CONSULTANT CERTIFIED TO ISO 9001 BY BVQI IN 1987"

"CERTIFIED TO ISO 9001 - 2015"

"RECEIVED SHELL GLOBAL QUALITY RECOGNITION AWARD FOR IN-HOUSE Q-PAKAT SYSTEM"



#### Work Management

"INTEGRATION OF PLANNING AND COST CONTROLS, ESTIMATIONS, MONITORING PRODUCTIVITY AND EFFICIENCY"

"STANDARDIZED WORKFLOW"

"ASSISTS IN DRAWING CONTINUOUS IMPROVEMENTS"

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## FOREWORD BY **THE PRESIDENT** The Institution of Engineering and Technology

On behalf of the Institution I would like to congratulate the Brunei Network on celebrating 20 successful years of engaging the local engineering and technology community. Over the past two decades the network has thrived and now includes nearly 200 members and volunteers.

With a fantastic programme of over 30 activities each year, the Brunei Network plays a key role in the IET's global knowledge network and is well respected within the global IET family. An example of the great work that you do includes the Faraday Challenge – this was first piloted in one school in 2015 and has grown considerably. In 2017, 144 students took part across 12 schools and a National Final was held. This shows first-hand how the Network is inspiring the next generation of engineers.

It is an exciting time for our Institution, with our commitment to serving the engineering and technology community all over the world and to generate and share knowledge and expertise on both a local and global level. I would like to thank all members, volunteers and staff in Brunei for their hard work, determination and dedication over the last 20 years which has led to the successful development of the Network.



**Mr N P Winser**  
CBE FREng BSc CEng FIET  
President  
The Institution of Engineering and Technology



## ABOUT IET



The IET is one of the world's **largest** engineering institutions with over **168,000** members in **150** countries. It is also the most multidisciplinary – to reflect the increasingly diverse nature of engineering in the 21st century.

The IET is working to engineer a better world by inspiring, informing and influencing our members, engineers and technicians, and all those who are touched by, or touch, the work of engineers.



# VISION, MISSION AND VALUES

## VISION

Working to engineer a better world.

## MISSION

To inspire, inform and influence the global engineering community, supporting technology innovation to meet the needs of society. (Inspiring the next generation of engineers and technicians. Informing the wider engineering community. Influencing government and standards to advance society).

## VALUES

We treat everyone with Integrity and respect continually striving for Excellence in all our activities and use the power of Teamwork to deliver value.

## MESSAGE FROM THE CHAIRMAN

Dear Brunei Darussalam's Science, Engineering and Technology (S.E.T.) Community,

It is our pleasure to welcome you to the Institution of Engineering and Technology (I.E.T.) Brunei Darussalam's 20th Anniversary Magazine. This edition is especially significant to us, as it marks our 20th Anniversary since its establishment in our abode of peace, Brunei Darussalam in November 1997.

The IET Brunei Darussalam has come a long way and we are especially grateful to the vision of our pioneer members who foresaw the need to capture, nurture and harness the passion and aspirations of our S.E.T. Community. They, through this network are still continuing to plant the seeds by inspiring, informing and influencing our next generation of scientists, engineers and technologists. The focus to our youths, our future generation of leaders has become one of IET Brunei Darussalam's core agenda and will continue to be so for a long time. Some of the platforms available to us are our Young Professionals Section (Y.P.S.) and On Campus volunteers in which their efforts deserve commendation through the organisation and increased participation from secondary schools in the annual Faraday's Challenge and the Present Around the World Competition (P.A.T.W.) at the national level in recent years.

The IET Brunei Darussalam is your Local Network. It is the Professional Home for Life for engineers and technicians. It is where you belong, and we are here to support you at every stage of your professional journey. As the management committee of your local network, we will strive to facilitate your aspirations to learn and grow. The strength of IET lies in the spirit of volunteerism and a willingness to give back to society. Our gratitude goes out to all those who have volunteered willingly and unconditionally while sacrificing their time and efforts to make that difference for the greater good. The same gratitude goes out to family members for their understanding and unwavering support.

Friends and colleagues, do keep yourselves posted by checking our website\* from time to time for upcoming technical visits, technical talks and other events that we are planning to have. Do make your voice be heard as we look forward to hear from you. Feel free to contact us and share with us your ideas, thoughts and aspirations so that together, we can engineer a better world!

\*(<https://communities.theiet.org/communities/home/143>)

Yours Sincerely,



**Lieutenant Colonel (U) Schufin bin Haji Brahim**

BEng (Hons), MPM, MIET

Honorary Chairman IET Brunei Darussalam Local Network 2017 - 2019

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## EDITOR'S LETTER

On behalf of the editorial team, I would like to welcome our respected guests, fellow engineers, colleagues and friends to the Institution of Engineering and Technology (I.E.T.) Brunei Darussalam's 20th Anniversary Magazine.

It has been two decades since IET Brunei's first establishment and this platform has continued to grow in achieving its mission to inspire, inform and influence the local network in promoting culture of professionalism highly valued and appreciated by all in Brunei Darussalam.

This magazine records our activities, history and the continuous support IET Brunei receives from the Engineering Industry since the first year of its establishment. Do keep yourselves updated with future technical visits and talks by visiting our website (<https://communities.theiet.org/communities/home/143>) from time to time.

Lastly, I would like to thank all our IET members, friends and sponsors for their support of IET Brunei Darussalam Network especially those who have continually supported us for the past twenty years. Many thanks and it's our sincere gratitude.

Thank you and we wish you an enjoyable evening.



**Lt Nurul Khartini binti Akui**  
HND, MIET  
Editor in Chief



**Hasrul Nazren bin Brahim**  
Creative Design Director



## CLASSES OF MEMBERSHIP

# THE INSTITUTION OF ENGINEERING AND TECHNOLOGY



### STUDENT/APPRENTICE

For individuals working towards a career in science, engineering whether at university or on an apprentice scheme.



### ASSOCIATE

For individuals working in a related field or who simply have a passion for engineering and technology.



### MEMBER (MIET OR TMIET)

For individual who have developed a standard of knowledge and understanding and are engaged in an activity relevant to the interests of the IET.



### FELLOW (FIET)

For individuals who have demonstrated significant individual responsibility and sustained achievement in their profession.



### HONORARY FELLOWS (HONFIET)

For highly acclaimed individuals who have demonstrated exemplary contributions to the IET or their engineering discipline. Elected by IET Board of Trustees only.







## IET ADVANTAGES

IET Advantage is a three-step membership programme which offers exceptional value to early career engineers who are determined to achieve more.



**Graduate Advantage** is all about easing your transition from graduation to employment. Building essential knowledge, providing study tips, CV advice, job searching and introductory materials.

**Career Advantage** concentrates on developing your knowledge and experience. Providing you with the tools to establish yourself in your career and build the essential skills of a professional.



**Professional Advantage** focuses on achievements. Preparing you for professional registration



For details, please visit  
[www.theiet.org/advantage](http://www.theiet.org/advantage)



## PROFESSIONAL REGISTRATION



Chartered Engineer  
Eng

Chartered Engineers develop appropriate solutions to engineering problems. They may develop and apply new technologies, promote advanced designs and design methods and introduce new and more efficient production techniques, or pioneer new engineering services and management methods. The title CEng is protected by civil law and is one of the most recognizable international engineering qualifications.

Chartered Engineers are variously engaged in technical and commercial leadership and possess effective interpersonal skills.



Incorporated Engineer  
Eng

Incorporated Engineers maintain and manage applications of current and developing technology, and may undertake engineering design, development, manufacture, construction and operation.

Incorporated Engineers are variously engaged in technical and commercial management and possess effective interpersonal skills.



Engineering Technician  
EngTech

EngTechs solve practical engineering problems. They are professional with supervisory or technical responsibility, and apply safe working systems of working. They contribute to the designs, development, manufacture, commissioning, decommissioning, operation or maintenance of products, equipments, processes or services.



ICT Technician  
CT Tech

ICT Technicians are employed in a range of jobs that involve supporting or facilitating the use of ICT equipment and applications by others. They work in areas such as ICT hardware, software or system installation, operation, maintenance, incident/change/problem management, administration, security, fault diagnosis and fixing.

## MESSAGE FROM THE 1ST HONORARY CHAIRMAN OF IET BRUNEI DARUSSALAM THE INTERNATIONAL PROFESSIONAL REGISTRATION ADVISOR (IPRA)

I congratulate the Organising Committee for taking this initiative in organising this function. It must have been a lot of work sending emails and making phone calls to all the contacts and meeting often to make the occasion a successful one.

Twenty years is a major milestone for a local institution like us, but when we look back, these years may seem just like yesterday. It was a modest beginning back in 28 November 1997 when IET Brunei Network was inaugurated, with just a few committed and dedicated Committee Members, some of whom are still active in the Network. A modest but important beginning as I humbly served as the first chairman from 1997 till 2001.

Throughout our twenty years journey, as the needs of our local network grew, we have also strived to respond and grow in line with the strategic model of IET UK.

Then as an International Professional Registration Advisors (IPRA), a post appointed to me by IET UK, to cover the Local Network, my primary focus was to provide advice on professional registration to candidates, act as interview convenors and actively promote IET membership.

Over the years, we have seen a steadily increase in our memberships and more engineers applying to be professionally registered.

Achieving professional registration status is an important milestone for any engineer and technician. The IET is licensed by the Engineering Council to award Chartered Engineer (CEng), Incorporated Engineer (IEng) and Engineering Technician (EngTech), as defined in the UK Standard for Professional Engineering Competence (UK-SPEC) which is based on knowledge, competence and commitment to professionalism.

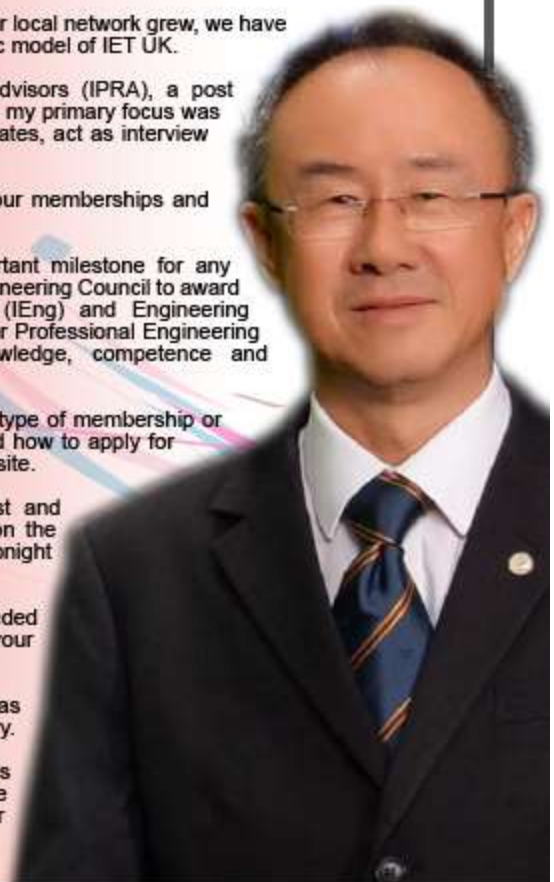
For those of you who want to know more about which type of membership or category of professional registration is right for you and how to apply for them, you can either contact me or visit the IET UK website.

Today, we should also pay tribute to the many past and successive chairpersons who had continuously built on the capacity of the institution, some of whom may be here tonight to join celebrating the local network's 20th Anniversary.

Let me close by thanking you all and those who preceded you. For nothing would have been possible without your devotion to the task at hand.

Twenty years later, our mandate remains as relevant as ever. And we remain an institution fit for the 21st Century.

As we celebrate the 20th Anniversary today, and on this happy occasion, I would like to again warmly congratulate IET Brunei Network and all who have tirelessly volunteer and labour for its success.



### Mr Lim Sam Lee

MIET, CEng, FIET

1st Honorary Chairman of IET Brunei Darussalam (1997 - 2001)

International Professional Registration Advisor (IPRA)



## COMMITTEE CHAIRMEN



**Awg Haji Mirhassan bin PDLR Dato Paduka Haji Abu Bakar**  
**BSc, MPA, MCMI, MPUJA (B), CEng, MIET**  
**2nd Honorary Chairman (2001-2002)**

On this auspicious occasion let me take this opportunity to congratulate the IET Brunei Network and its fraternity, a happy 20th Anniversary on 18th August 2018. The IET Brunei Network has remain strong and cohesive for the last two decades and we should all be proud that we all have contributed towards its success, progress and development.

The journey we experienced since its inception was full of challenges. The major challenges are how to sustain growth in terms of new membership and how to make The IET Brunei Network benefited members to become the first choice in their career and professional development. In other words, the IET Brunei Network remains relevant to members and the community.

Our heartfelt appreciation for the trust and support received from members and other stakeholders. This year is another milestone for The IET Brunei Network as we continue our progression as a local professional body. Our accomplishments I believe are the result of our commitment and spirit of volunteerism and the strong cooperation with other Institutions and government agencies as we continue to play our role in supporting the nation's ongoing effort to develop and create an educated, skilled workforce and professional human resource in line with Brunei Vision 2035.

Lastly our sincere best wishes and a happy 20th Anniversary to The IET Brunei Network and may it continue to shape the professional community in Brunei and the world at large.

**Ir. Awg Haji Sapawi bin Bolhassan**  
**B.Tech (Hons), MSc, MPA, MPUJA (B) CEng, MIET**  
**3rd Honorary Chairman (2002-2004)**



## COMMITTEE CHAIRMEN



It has been 20 years since IET Brunei was established in 1998. The Institute has been cultivating in our members the seeds of professional and ethical growth, and is keen to pass on knowledge to the next generation.

Our past and present professional committee is motivated and passionate. They contribute unselfishly with their spare time to mentor the young members with their words and deeds. In the future, we have yet to face many challenges

but I am sure IET Brunei could continue to provide quality mentoring to the students and produce generations of members, who aspire to pursue professionalism, knowledge, academic excellence and lifelong development.

Congratulations to IET Brunei Darussalam Network for the achievement.

**Mr. Ang Kian Guan**  
**BSc (Hons), MSc, CEng, MIET**  
**4th Honorary Chairman (2004-2006)**

I would like to extend my heartiest congratulations to The Institution of Engineering and Technology (IET) Brunei Darussalam Network upon marking its 21 years of success here in Brunei Darussalam.

It has been a privilege for me to witness the growth of such an outstanding organization in continuously raising awareness of new technology and skills towards the engineering community. In that regards, to have seen an institution that uphold the same values as myself to have grown in stature over the years is simply a satisfaction in itself.

Furthermore, I would like to thank IET Brunei for presenting myself and fellow professionals alike, the platform to contribute to both the organization as well as the engineering community in Brunei Darussalam. Taking this into account, I express my gratitude towards IET Brunei for allowing me the opportunity previously as a chairman of the organization to oversee the first IET International Conference in Brunei back in 2008. I hope IET Brunei would continue to grow in its stature and remain pivotal towards the engineering community in Brunei Darussalam in the future.

**Ir. Haji Abdul Rahman bin Haji Modin**  
**Partner/Regional Consultants, BEng (Hons), MDevMgt, MPUJA(Brunei), CEng**  
**FIET FIMechE, FIEAust CPeng NER, ACPE ASEAN Eng**  
**5th Honorary Chairman (2006 - 2008)**





## COMMITTEE CHAIRMEN



Well done! Congratulations IET Brunei on its 20th Anniversary.

The hard work, commitment and dedication of IET Brunei members over the last two decades to have IET recognized by various government and non-government agencies as being an important stakeholder in contributing to the development of engineering and technology in Brunei Darussalam is commendable.

I believe IET still have a lot to continuously contribute especially in the dynamic and changing world of technology in shaping the development of Brunei Darussalam in this area.

Expanding the membership of IET Brunei by attracting more young professionals is crucial in achieving its objectives.

Congratulations to IET Brunei.

**Pg Haji Mohd Zain bin Pg Haji Abdul Razak**  
**BA (Hons), MA, MBA, CEng, FIET**  
**6th Honorary Chairman (2008-2010)**



Congratulations IET Brunei on its 20th Anniversary this year especially to the IET committee members including the YPS (Young Professional Section) who continue to motivate and provide their voluntary effort and support to promote "Engineering and Technology" especially to instill the younger generation from education sectors to industries and regulators for a better living standards and environments.

Technology has advanced tremendously with the current digital and nanotechnology world that was once believed to be impossible in the past has now become a reality such as in modern health care, transportation, communication, food production, environment and include many others that benefited the society, but still require continuing improvements.

I personally thank and congratulate all the IET committee members for their continuing passion to strive, drive, share and promote the technology knowhow that benefit mankind for a better living standard and environment.

**Dr. William Voon South Fee**  
**BSc (Hons), PhD, CEng, MIET**  
**7th Honorary Chairman (2011 - 2012)**



## COMMITTEE CHAIRMEN



"Inspire, inform and influence the engineering community - IET Brunei will continue to do just that. The last 20 years has been a technological journey of achievements supporting the needs of society and engineering a better world."

**Lt. Col. (R) Haji Amir Hamzah bin Haji Hanafi**  
**BEng (Hons), MBA, MPM, CEng, MIET, AMRAeS**  
**8th Honorary Chairman (2012 - 2014)**

Congratulations to IET Brunei Darussalam network for their 20th Anniversary which is a great achievement in itself. I also want to thank the present and past dedicated committee members who worked hard to contribute towards the promotion of engineering and technology in Brunei Darussalam and to encourage students to study engineering.

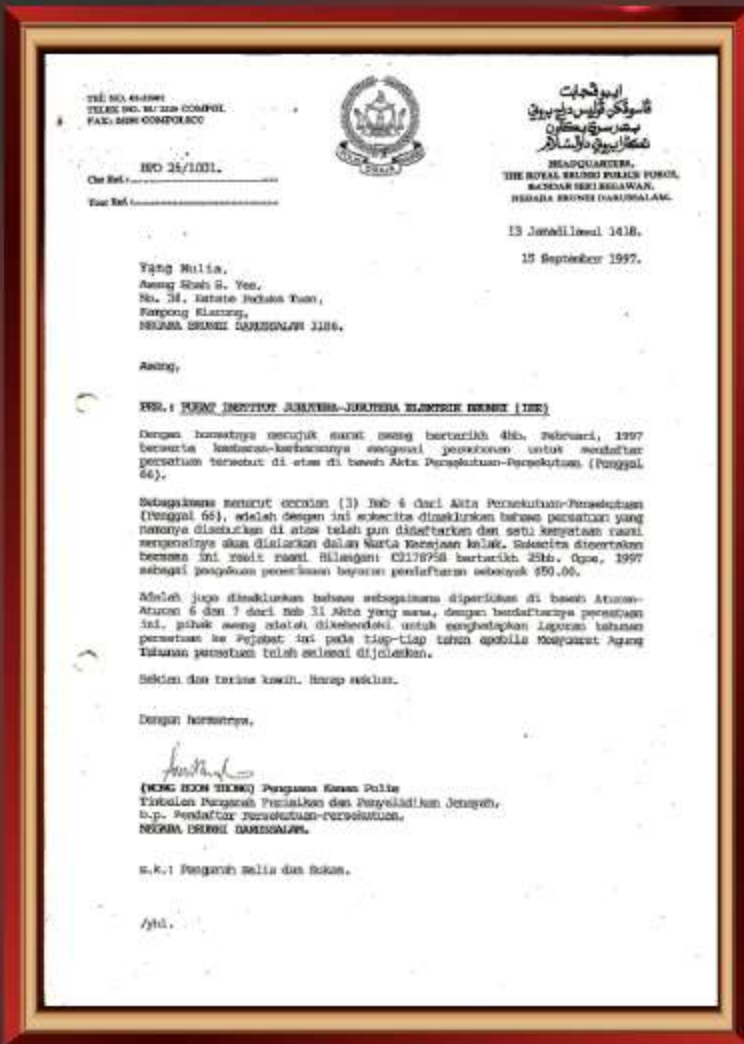
And a big thank you to the young engineers and on-campus students for their contribution to the IET especially for the Faraday Challenge events. I look forward to the future of the IET in Brunei Darussalam with great optimism.



**Ir. Simon K A Leong**  
**CEng, ACPE, MPUJA (B), MIET, MIMechE, MIFireE, GradIOsh, BEng (Hons),**  
**IDipNEBOSH**  
**9th Honorary Chairman (2014 - 2017)**



# HISTORY



The IET is made up from over forty predecessor organisations that can trace its history as far back as 1854 with the Society of Engineers (SoE). The Society of Engineers was established in May 1854 in The Strand, London, it was the third oldest professional engineering body in the UK. It promoted the interests of members worldwide and was concerned with all branches of engineering.

In 2005 the SoE was absorbed in to the Institution of Incorporated Engineers (IIE) and then later in 2006 the IIE merged with the Institution of Electrical Engineers (IEE) to form the IET (Institution of Engineering and Technology). The Institution of Electrical Engineers (IEE) was a British professional organisation of electronics, electrical, manufacturing, and Information Technology professionals, especially electrical engineers. It began in 1871 as the Society of Telegraph Engineers.





# HISTORY



The IET today has more than 150,000 members in 127 countries and offices in Europe, North America and Asia Pacific. The IET is one of the world's leading professional societies for the science, engineering and technology community.

Being part of this professional network, IET Brunei Darussalam sets its vision in sharing and advancing knowledge throughout the global Science, Engineering and Technology community contributing towards national development. The IET Brunei Darussalam is a branch of the Institution of Engineering and Technology or IET in the United Kingdom. IET Brunei Darussalam was inaugurated on 29 November 1997.

# PAST MAIN COMMITTEES

**Mr. Lim Sam Lee**

**1st Honorary Chairman (1997 - 2001)**

**Awg. Haji Mirhassan PDLRDP  
bin Haji Abu Bakar**

**Honorary Vice Chairman (1997 - 2001)**

**1997  
TO  
1999**

**Honorary Secretary**  
Simon K A Leong

**Honorary Treasure**  
Chin Lee Tuck

**Honorary Assistant Secretary**  
Tang Shi Siong

- Suhaini bin Hj Abu Bakar  
- Hjh Norkiah binti Hj Johari  
- Lim Tiong Thai  
- Poh Eng Gee  
- Hj Kamsani  
- Joffry bin Hj Bungsu

**Committee Member**

- Marissa Lim  
- Harold Chong  
- Yee Shan Shah  
- Dr. K.C. Rajaraman  
- Dr. S.G. Rao Gilbert Fung  
- Pg Suhaimi bin Pg Hj Bakar

**1999  
TO  
2000**

**Honorary Secretary**  
Tang Shi Siong

**Honorary Treasure**  
Chin Lee Tuck

**Honorary Assistant Secretary**  
Mahani binti Hj Sumari

**Committee Member**

Abdul Aziz bin Abdullah  
Laiw Wai Khiong  
Lim Kian Boon  
Lim Ming Soon  
Zainidi bin Hj Abdul Hamid  
Suhaini bin Hj Abu Bakar  
Simon K A Leong

**2000  
TO  
2001**

**Honorary Secretary**  
Tang Shi Siong

**Honorary Treasure**  
Lim Kian Boon

**Honorary Assistant Secretary**  
Chin Lee Tuck

**Committee Member**

Pg Mahari bin Pg Hj Abdul Rajak  
Lim Ming Soon  
Liaw Wai Khiong  
Zanidi bin Hj Abdul Hamid  
Simon K A Leong  
Goh Koh Lai  
Terrence Douglas Jayasuriya



# PAST MAIN COMMITTEES

**Awg Haji Mirhassan PDLRDP  
bin Haji Abu Bakar**

**2nd Honorary Chairman (2001 - 2002)**

**Dr. William Voon South Fee**

**Honorary Vice Chairman (2001 - 2002)**

**2001**

**Honorary Secretary**  
Chin Lee Tuck

**Committee Member**

**TO**

**Honorary Treasure**  
Goh Koh Lai

- Tang Shi Siong
- Liaw Wai Khiong
- Terrence Douglas Jayasuriya
- Pg Mahari bin Pg Hj Abdul Rajak

- Simon K A Leong
- Rick Liaw
- Soo Kok Ping
- Cheong Chee Keong

**2002**

**Honorary Assistant Secretary**  
Koh Thian Chan

**Awg Haji Sapawi  
bin Bolhassan**

**3rd Honorary Chairman (2002 - 2004)**

**Dr. William Voon South Fee**

**Honorary Vice Chairman (2002 - 2003)**

**2002**

**Honorary Secretary**  
Koh Thian Chan

**Committee Member**

**TO**

**Honorary Treasure**  
Simon K A Leong

- Hj Abdul Rahman bin hj Modin
- Hj Mohd Sharifuddin bin Hj Mohd Salleh
- Ong Wee Hong
- Terrence Douglas Jayasuriya
- Tang Shi Siong
- Rasidi bin Hj Osman
- Goh Koh Lai

**2003**

**Honorary Assistant Secretary**  
Soo Kok Ping

# PAST MAIN COMMITTEES

**Awg Haji Sapawi  
bin Bolhassan**

**3rd Honorary Chairman (2002 - 2004)**

**Ang Kian Guan**

**Honorary Vice Chairman (2003 - 2004)**

**2003  
TO  
2004**

**Honorary Secretary**  
Liaw Wai Khiong

**Honorary Treasure**  
Terrence Douglas  
Jayasuriya

**Honorary Assistant  
Secretary**  
Soo Kok Ping

**Committee Member**

- Robinson Goh
- Simon K A Leong
- Lim Kian Boon
- Hj Mohd Sharifuddin bin Hj Mohd Salleh
- Hj Abdul Rahman bin hj Modin
- Chin Lee Tuck
- Dr. William Voon South Fee
- Wong Hong Chien
- Koh Thian Chan

**Mr. Ang Kian Guan**

**4th Honorary Chairman (2004 - 2006)**

**Hj Abdul Rahman  
bin Hj Modin**

**Honorary Vice Chairman (2004 - 2006)**

**2004  
TO  
2005**

**Honorary Secretary**  
Liaw Wai Kong

**Honorary Treasure**  
Dr. William Voon  
South Fee

**Honorary Assistant  
Secretary**  
Simon K A Leong

**Committee Member**

- Tang Shi Siong
- Terrence Douglas Jayasuriya
- Goh Koh Lai
- Soo Kok Ping
- Wong Hong Chien
- Chin Lee Tuck
- Koh Thian Chan

## PAST MAIN COMMITTEES

**2005**

**TO**

**2006**

**Honorary Secretary**  
Wong Hong Chien

**Honorary Treasure**  
Soo Kok Ping

**Honorary Assistant Secretary**  
Liaw Wai Khiong

**Committee Member**

Tang Shi Siong  
Terrence Douglas Jayasuriya  
Goh Koh Lai  
Chua Lee Hoon  
Muhammad Halimi bin Hj Abd Manaf  
Lim Ming Soon

**Ir. Awg Hj Abdul Rahman  
bin Hj Modin**

**5th Honorary Chairman (2006 - 2008)**

**Goh Koh Lai**

**Honorary Vice Chairman (2006 - 2008)**

**2006**

**TO**

**2007**

**Honorary Secretary**  
Terrence Douglas Jayasuriya

**Honorary Treasure**  
Tang Shi Shiong

**Honorary Assistant Secretary**  
Chua Lee Hoon

**Committee Member**

- Dr. William Voon South Fee  
- Lim Kian Boon  
- Koh Thian Chan  
- Liaw Wai Khiong  
- Aubrey Liew  
- Simon K A Leong  
- Ong Wee Hong  
- Robinson Goh  
- Soo Kok Ping

**2007**

**TO**

**2008**

**Honorary Secretary**  
Terrence Douglas Jayasuriya

**Honorary Treasure**  
Koh Thian Chan

**Honorary Assistant Secretary**  
Ong Wee Hong

**Committee Member**

- Dr. William Voon South Fee  
- Lim Kian Boon  
- Col. Pg Dato Azmansham bin Pg Mohamad  
- Robinson Goh  
- Capt Roasri Erwan bin Tasrif  
- Simon K A Leong  
- Tang Shi Siong  
- Soo Kok Ping  
- Haslen bin Hj Hassan  
- Mohamad Zufry bir Hj Junit



## PAST MAIN COMMITTEES

**Pg Hj Mohd Zain  
bin Pg Hj Abdul Razak**

**6th Honorary Chairman (2008 - 2010)**

**Simon K A Leong**

**Honorary Vice Chairman (2008 - 2010)**

**2008**

**TO**

**2009**

**Honorary Secretary**  
Ong Wee Hong

**Honorary Treasure**  
Lim Kian Boon

**Honorary Assistant  
Secretary**  
Soo Kok Ping

**Committee Member**

Aubrey Liew  
Hj Mohd Sharifuddin bin Hj Mohd Salleh  
Goh Koh Lai  
Lt.Col Idris bin Hj Mat Noor  
Terrence Douglas Jayasuriya  
Koh Thian Chan  
Dr. William Voon South Fee

**2009**

**TO**

**2010**

**Honorary Secretary**  
Soo Kok Ping

**Honorary Treasure**  
Dr. William Voon  
South Fee

**Honorary Assistant  
Secretary**  
Maj (U) Schufin bin Hj  
Brahim

**Committee Member**

- Aubrey Liew  
- Daphne Lai Teck Ching  
- Goh Koh Lai  
- Lt.Col Idris bin Hj Mat  
Noor  
- Terrence Douglas  
Jayasuriya  
- Koh Thian Boon  
- Kevin Foo Suan Cheng  
- Lim Kian Boon  
- Manggau Galawing  
- Sivajothi Deivasagayam

## PAST MAIN COMMITTEES

**Dr. William Voon South Fee**

7th Honorary Chairman (2010 - 2012)

**Lt.Col Idris bin Hj Mat Noor**

Honorary Vice Chairman (2010 - 2012)

**2010**

**TO**

**2011**

**Honorary Secretary**  
Lai Wai Khiong

**Honorary Treasure**  
Ir Simon K A Leong

**Honorary Assistant Secretary**  
Hj Amrinal bin Hj Amir

**Committee Member**

- Soo Kok Ping
- Abang Zuhaini bin Hj Abang Omarzuki
- Lt.Col Salleh bin Suhaili
- Hj Jailani bin Hj Buntar
- Lim Kian Boon
- Manggau Galawing
- Sivajothi Deivasagayam
- Chin Khiong Ming
- Hj Abd Mateen bin OKML Hj Md Yusof
- Md Amir Sharifuddin bin Hj Ali
- Freddie Tong

**2011**

**TO**

**2012**

**Honorary Secretary**  
Hj Amrinal bin Hj Amir

**Honorary Treasure**  
Lim Kian Boon

**Honorary Assistant Secretary**  
Abang Zuhaini bin Hj Abang Omarzuki

**Committee Member**

- Ir. Simon K A Leong
- Hj Jailani bin Hj Buntar
- Manggau Galawing
- Freddie Tong
- Soo Kok Ping
- Chin Khiong Ming
- Lt.Col Salleh bin Suhaili
- Sivajothi Deivasagayam
- Hj Abd Mateen bin OKML Hj Md Yusof
- Maj (U) Schufin bin Hj Brahim
- Md Amir Sharifuddin bin Hj Ali
- Lt Hj Md Fadhil bin DP Hj Mohd Said
- Lt Dk Aainaamollyatie binti Pg Salim

# PAST MAIN COMMITTEES

**Lt.Col (R) Hj Amir Hamzah  
bin Hj Hanafi**

**8th Honorary Chairman (2012 - 2014)**

**Ir. Simon K A Leong**

**Honorary Vice Chairman (2012 - 2014)**

**2012**

**TO**

**2014**

**Honorary Secretary**  
Maj (U) Schufin bin Hj  
Brahim

**Honorary Treasure**  
Dr. Tang Shi Siong

**Honorary Assistant  
Secretary**  
Hj Jailani bin Hj Buntar

**Committee Member**

- Lim Kian Boon
- Soo Kok Ping
- Hj Amrinal bin Hj Amir
- Lt.Col Idris bin Hj Mat Noor
- Lt.Col Salleh bin Suhaili
- Freddie Tong
- Lt Hj Md Fadhil bin DP Hj Mohd Said
- Koh Thian Chan
- Sufree bin Hj Mohammad
- Terry Jaya Surya
- Md Khairul bin Hj Anwar
- Hj Abd Mateen OKML Hj Md Yusof

**Ir. Simon K A Leong**

**9th Honorary Chairman (2014 - 2017)**

**Maj (U) Schufin  
bin Hj Brahim**

**Honorary Vice Chairman (2014 - 2016)**

**2014**

**TO**

**2015**

**Honorary Secretary**  
Hj Jailani bin Hj Buntar

**Honorary Treasure**  
Dr. Tang Shi Siong

**Honorary Assistant  
Secretary**  
Capt Wan Farhan bin  
Hj Ibrahim

**Committee Member**

- Hj Amrinal bin Hj Amir
- Freddie Stephen Tong
- Talib bin Sulaiman
- Ong Boon Jing
- Md Khairul Anwar bin Bakar
- Sivajothi Deivasagayam



## PAST MAIN COMMITTEES

**2015  
TO  
2016**

**Honorary Secretary**  
Hj Jailani bin Hj Buntar

**Honorary Treasure**  
Dr. Tang Shi Siong

**Honorary Assistant Secretary**  
Maj Wan Farhan bin Hj Ibrahim

**Committee Member**

Hj Amrinal bin Hj Amir  
Freddie Stephen Tong  
Talib bin Sulaiman  
Ong Boon Jing  
Md Khairul Anwar bin Bakar  
Pg Hj Masle bin Pg Hj Hamid  
Ms Tieng Chwei Peng

**Ir. Simon K A Leong**

**9th Honorary Chairman (2014 - 2017)**

**Lt.Col (U) Schufin  
bin Hj Brahim**

**Honorary Vice Chairman (2016-2017)**

**2016  
TO  
2017**

**Honorary Secretary**  
Hj Jailani bin Hj Buntar

**Honorary Treasure**  
Pg Masle bin Pg Hj Hamid

**Honorary Assistant Secretary**  
Maj Wan Farhan bin Hj Ibrahim

**Committee Member**

Dr. Tang Shi Siong  
Hj Amrinal bin Hj Amir  
Muhd. Aminuddin bin Mohd Yussof  
Tan Kah Wee  
Mohammad Hilmi Hassan  
Ong Boon Jing



# PRESENT COMMITTEE GROUP PHOTO

## IET BRUNEI DARUSSALAM



**Lt.Col (U) Schufin  
bin Hj Brahim**

*10th Honorary Chairman (2017 - Present)*

**Hj Jailani Bin Hj Buntar**

*Honorary Vice Chairman (2017 - Present)*

**2017**

**TO**

**PRESENT**

**Honorary Secretary**

Muhd Aminuddin bin  
Mohd Yussof

**Honorary Treasure**

Pg Hj Masle bin Pg Hj  
Hamid

**Honorary Assistant  
Secretary**

Maj Wan Farhan bin Hj  
Ibrahim

**Committee Member**

- Dr. Tang Shi Siong
- Hj Amrinal bin Hj Amir
- Ir. Simon K A Leong
- Ong Boon Jing
- Zainidi bin Hj Abdul  
Hamid

- Lt Nurul Khartini binti  
Akui
- Dr. William Voon South  
Fee
- Lim Sam Lee
- Supatra Lee

# IET

# Education

The Institution of  
Engineering and Technology

# Faraday

*Challenge*





Participating Schools in 2016 Faraday Challenge

In August 2015, YPS Brunei Young Professional Section organized the very first pilot project - DIY Faraday Challenge – "Mission to Mars" with St Andrew's School in Brunei Darussalam. The Faraday Challenge is a one day STEM activities designed for six teams of six students.

The event is set up and run by IET team of STEM professionals to give teachers the time to focus on the students; it is an unbeatable opportunity to switch the students on to the subject they love. This is in-line with the IET Brunei vision and mission in promoting the general advancement of science, engineering and technology and to facilitate the exchange of information and ideas on these subjects amongst the general public especially students. The aim of the activity is to give students more opportunity to research, design and improvise the prototype solutions to genuinely tough engineering problems they had encountered from the previous challenges.

It was a very successful event which inspires every committee and volunteers to organize more of these events. In the first quarters of 2016, the IET Brunei YPS and Oil & Gas Discovery Centre (OGDC) Brunei had jointly organized and delivered IET Faraday Do-It-Yourself "Mission To Mars" Challenges in a timely manner to another 5 selected schools in Brunei Darussalam namely: Maktab Sains Paduka Seri Begawan Sultan, Chung Hwa Middle School BSB, St George's School, Seri Mulia Sarjana School and Sekolah Menengah PAP Rashidah Lumut. There were 36 students from each school joining the event individually. Over the year, the IET have engaged 216 students by conducting this STEM challenge.



YPS Executive Committee

The Institution of Engineering and Technology (IET) Brunei Young Professional Section (YPS) and Oil & Gas Discovery Centre (OGDC) Brunei once again conducted a NATIONAL FINAL IET Faraday Do-It-Yourself "Mission To Mars V2.0" Challenge for the six winning teams from each of the six secondary schools students aged 15 years old and below (Year 7-9).



The winner of the competition (Maktab Sain Paduka Seri Begawan Sultan) received a BND\$300.00 cash prize as well as certificates, followed by two runners-up (St.George's School and St.Andrew's School) with cash prize of \$180 and \$120.

Theme of the National Final 2016 - Humans have been exploring the EARTH for many years, travelling abroad for holidays, organizing explorations to the top of the mountains, to the poles of the Earth and to the bottom of oceans. What happens when this spirit of expedition is turned to another planet i.e. Mars? Secondary Students were given tasks as engineer specialists recruited by a mock company called, 'Make it 2 Mars', to establish a human settlement on the planet Mars by 2023. Students were asked to design and construct a rocket which will transport supplies via Earth orbit to the astronauts on Mars, as well as building a system to transport their rocket to the launch site for testing.

In brief, the students' tasks for the "Mission to Mars V2.0" challenge were to:

- 1) Design and build a prototype air-powered rocket to carry payloads (one heavy and one fragile) and launch above 3 metres.
- 2) Design and build a prototype transport system with lightings to transport the rocket from the rocket workshop to the launch site in a straight line and stop after 3 metres.
- 3) Present and test the prototype transport system and rocket as a whole.

The whole exercise gave the students insight into the roles and responsibilities of an engineering team as they not only attempted to create their prototypes but then had to justify their ideas, costs and implementation plans to the judges. This challenge also encourages the development of students' problem solving, team working and communication skills. It is an unbeatable opportunity to switch the students on to the subject they love.

In 2017, IET Brunei influenced more schools/students to participate in the STEM challenge, thus organised 3 preliminary rounds for 12 schools (8 teams per round), however only 12 students from each school were selected by their school/teacher-in-charge to participate in the preliminary round. The theme of the event is Robotic Arm with the use of Hydraulic system. In the preliminary rounds, the objective of the challenge is to remotely grab the objects.

In brief, the students' tasks for the "Robotic Arm" challenge are to:

- 1) Design and build a prototype of a robotic arm with suitable "claw"
- 2) Design and build a hydraulic system for the arm.
- 3) Able to grab targeted objects at the test area.

In this preliminary round 1, there are 12 teams of students representatives come from 4 schools .i.e. Maktab Sains Paduka Seri Begawan Sultan, St George's School, Sultan Omar Ali Saifuddin College (SOAS) and Sekolah Menengah Yayasan Sultan Haji Hassanah Bolkiah. The two teams who won the preliminary round 1 are from St George's School and Maktab Sains Paduka Seri Begawan Sultan.



In this preliminary round 3, there are 7 teams of students representatives come from 4 schools .i.e. International School Brunei, Sekolah Menengah Chung Hua (KB), Sekolah Menengah Awang Semaun and Sekolah Menengah Pg Jaya Negara Pg Hj Abu Bakar (KB). The two teams who won the preliminary round 2 are from International School Brunei and Sekolah Menengah Chung Hua (KB).

In this preliminary round 2, there are 12 teams of students representatives come from 4 schools .i.e. St. Andrew's School, Chung Hwa Middle School (BSB), Seri Mulia Sarjana School and St. John's School (KB). The two teams who won the preliminary round 2 are from St. John's School and Seri Mulia Sarjana School.





In Aug 2017, the YPS organised the National Final for the 6 winning teams from the three preliminary rounds at Times Square Shopping Centre. IET heighten the challenge for the final with the theme - ROBOTIC arm and foreign materials from Mars. The scenario of the challenge is that the team found foreign materials (SLIME) on Mars which need to be sent back to Earth for lab research. Once Robotic arm managed to collect the sample, it has to be transported to the rocket for transporting back to the Earth.

In brief, the students' tasks for the "Robotic Arm & Foreign Materials" challenge are to:

- 1) Team were given a pre-built robotic arm, however requested to design a suitable "claw" for the foreign materials.
- 2) A transport system able to carry the sample toward the rocket launching area.
- 3) A robust rocket able to carry some payload (sample) back to the Earth.





## FARADAY CHALLENGE

The winner of the competition (Maktab Sain Paduka Seri Begawan Sultan) received a BND\$1000.00 cash prize + a desktop as well as certificates, followed by two runners-up (Seri Mulia Sarjana School and Sekolah Menengah Chung Hua KB) with cash prize of \$500 and \$300 respectively.

In 2018, IET Brunei once again tried to reach out to as many schools as possible within the country. There were 16 schools signed up for the Faraday Challenge this year. The teams were divided into two preliminary rounds; the 3 winners from each round will proceed to the National Final Faraday Challenge 2018 on the 2nd September 2018 at Aman Hills Shopping Centre.

During the preliminary rounds, YPS has given the students the challenge on Flood Defence, in brief, the students were tasked to design and make a prototype that is able to remove water out from a basin. The prototype must be able to remove a minimum of 1L of water and be able to raise the water to a height of 300mm platform.



The six schools namely St John's School, St George's School, Chung Hwa Middle School BSB, Chung Hua Middle School KB, Sekolah Menengah Awang Semaun and Sekolah Menengah Jamalul Alam, won in the preliminary rounds and they will join the National Final in September for a more challenging tasks.





IUOC Executive Committee

**THE IET-UTB ON CAMPUS (IUOC)** – previously known as IET-ITB Student Chapter - was founded in the year 2011 and was inaugurated a few years later on the 2nd of June 2014. The vision and mission of IUOC is one that is in line with IET and aims to make the engineering world a reality for its student members rather than an abstract concept. IUOC has always had the vision of bringing the real engineering world to students and allowing professional networking to take place even before the student step foot in the professional world.

IUOC has been active ever since it started. One of the main activities that we conduct are technical visits to different companies or industries as per the request of interested students. We try to bridge the gap between students and industry by arranging for exposure to these industries as best we can. We have successfully carried out technical visits to places such as Berakas Power Management Center (BPMC), Simpore Pharma Sdn. Bhd, Butra HeidelbergCement Sdn. Bhd and many more other places.

The purpose of conducting these technical visits are to allow the students to see how engineering affects many different aspects of the work force and is applicable to many different industries. It also allows students to see how theories learnt in lectures translate into application in the working field. Furthermore, students are able to ask questions and get answers from industry experts themselves.

Apart from conducting technical visits, IUOC also arranges for talks for students and fresh graduates to train and equip them for the workforce. These trainings encompass all the different aspect of landing a job such as "how to write a good CV", what skills they would need to have or extra qualification they should have to set them apart from all the other job seekers, how they should conduct themselves in interviews and etc.



Other than talks and trainings to equip students and fresh graduates, IUOC also arranges for talks to be given by industry experts. An industry expert from NBT Toyota gave one such talk on "hybrid cars"; allowing students to understand further the concept and mechanism behind hybrid cars. These talks are arranged for the student members to allow them to further their understanding, satisfy their curiosity and to generate a deeper interest on what is happening at the forefront of engineering.

IUOC also take part in roadshows alongside clubs under the umbrella of Universiti Teknologi Brunei (UTB) where members of the public come and get to know the different clubs in UTB better and to see what they have to offer. By working closely with UTB, we are also given the opportunity to take part in such roadshows where we interact with members of the public, potential students and even their parents – introducing IET and IET-UTB On Campus to them thereby also increasing the public's awareness of IET (and IET On Campuses around the world – for potential students who might be going overseas to study).

**PREPARING FOR WORK FORCE TALK**



**VISIT TO BPMC**

The IUOC also works closely with the Young Professional Section (YPS) of IET Brunei to help them run a number of events such as the Present Around the World (PATW) competition, Faraday Challenge and many more. In doing so, the student members are also able to network professionally with engineers who also in turn advice us in how we should prepare ourselves better for the working field. It gives student members an opportunity to be able to have conversations with experienced engineers in their respective fields to gain knowledge from the engineers' first hand experience.

The IUOC hopes to be able to continue to successfully bridge the gap between students and the industry in every way possible and to continue to generate further interest in the field of engineering.





**IET-PB ON CAMPUS** was officially established on 11th May 2018, with the plaque signed by both former IET-Brunei Chairperson Simon Leong Kian Ann, and the Director of Politeknik Brunei Denis Ho Mun Tai. The inauguration took place with the purpose of educate Politeknik Brunei students on the wide range of engineering works by joining the IET through this group.

IET-PB On Campus visit to "Dayang Azura" vessel

Throughout the short period of time, IET-PB On Campus had organized several events which benefits IET, Politeknik Brunei, their members, and society. With the teamwork of the committee members, this group conducted visit to "Dayang Azura" vessel at Kuala Belait Wharf where IET-PB On Campus members were able to deepen their knowledge on offshore works. In conjunction of Present Around The World (PATW) 2017, IET-PB On Campus organized its first PATW Preliminary Round where 6 participants from Politeknik Brunei competed against each other. Dk Siti Amal Nabilah Pg Hj Othman, Muhammad Asri Abdul Razak, and Nur Syahirah Irdina Hilmy emerged as the winners of the competition and represented Politeknik Brunei in PATW Brunei Local Heat 2017.



Former IET-Brunei Chairperson, Simon Leong Kian Ann (L) and Politeknik Brunei Director Denis Ho Mun Tai signing the plaque for official inauguration of IET-PB On Campus



Drawing of poster of His Majesty's Golden Jubilee during visit to Pusat Ehsan



Group photo during IET-PB On Campus team building activity

Other than educational events, IET-PB On Campus also organized social event in order to communicate with its members effectively. One of the team building activities conducted was the gel ball tournament. The event was held in Lumut Campus, Politeknik Brunei with the assistance from The Nerf Wreck Brunei in providing equipment for the members.



Group photo with participants of Present Around The World (PATW) Politeknik Brunei Preliminary Round

One of the notable achievement of IET-PB On Campus was the visit to Pusat Ehsan Al-Ameerah Al-Hajjah Maryam (Pusat Ehsan), Belait District Branch. The event was held last year where about 40 Politeknik Brunei students participated with the objectives of providing exposure to community works and contributing aids to Pusat Ehsan. The activities done on that day include refurbishment of classroom, cleaning campaign, and interaction with the students of Pusat Ehsan.

The IET's Present Around the World Competition (PATW), is a global competition for the Young Professionals and Students within engineering to develop and showcase their presentation skills. The competition is open for age 18-30 (to IET members and Non-members). Competitors are asked to give a presentation for 10 minutes on a subject related to engineering and technology, and to answer questions for a further 5 minutes. The event is mainly to judge the presentation skills, although the topic should be appropriate to the intended audience of students and young professionals.

The purpose of the competition is to give aspiring young engineers and technologists the opportunity to enhance their presentation skills, conveying complex technical information to a range of technical and non-technical audiences. The emphasis is more on presentation skills rather than technical content, enabling competitors at varying levels of their studies or career to participate on an equal footing. The competition takes place throughout the world and starts at IET Local Network (LN) level. PATW is organized by the YPS annually; earlier half of the year, the committee will conduct a Local Network (LN) Competition and a winner will be selected from the LN competition to participate in the Regional Competition in other country. The prizes are about £150 for the winner and £100 for the runner-up for the LN competition (subject to there being three or more competitors).

YPS PATW at Winners at the national level: Tieng Chwei Peng (2015), Ayesha Salleh (2016), Supatra Lee (2017), Dalvina Chin (2018).



In 2018's PATW, IET YPS has conducted the LN competition on the 9th June 2018. Dalvina Chin is the winner and Jevons Penaflor as runner-up for the LN Competition. Dalvina will be joining the Regional Competition in Singapore on the 18th August 2018 (TODAY).

Synopsis of Dalvina's topic, Nuclear Power: The energy bad boy

When we hear the term nuclear power, our minds race on ahead to accidents that have happened in years passed. Nuclear power has earned itself a bad reputation and has become a poster boy for "bad" energy source. But the question today is "are they all that bad?" Are our fears of nuclear power really founded on facts surrounding it or are they irrational? Is this fear inhibiting us from exploring nuclear power as an alternative power source and all the good that it could bring? I believe that there is so much fear based on so little. And with all these questions and fears that we have, the world's most villainised power source deserves a fresh and frank look.



2018 PATW National Winners

In the past, a Brunei representative Haji Isyrah Fahmi bin Haji Osman from University Brunei Darussalam won first place at the IET Asia Pacific Regional PATW Competition which was held in Mumbai, India on 31st July 2010. He went on to represent Brunei Darussalam and the Asia Pacific region in the World Finals PATW Competition in London on 24th November 2010.



## FLASHBACK PAST EVENT



V.I.P. Guests at the Inauguration function at Riverview Hotel



Presentation of "Certificate of Appreciation" to one of the IEE Brunei Centre Management Member



IET Brunei Centre Management Member 1997-1998

# 1997



A closer view of the Parabola satellite dish at Brunei Telisai Earth Station



Serious attention by members on the briefing



Briefing on Telisai Earth Station given by one of the staff

# 1998



## FLASHBACK PAST EVENT



Visit to Beribi Industrial Area



IEE Members visits Brunei LNG & Brunei Refinery



Technical talk at Civil Service Institute



"Renewable Sources of Energy" by Dr. C. Palanichamy



A visit to Department of Civil Aviation



Mr. Lim Kian Boon giving a speech to the audience



IEE Career Development Talk

# 1999



Technical Visit To Solartech Sdn Bhd



Technical visit to RBA simulator



2nd Annual General Meeting



IEE Members on tour study at Hong Kong



Technical Visit to Mengkabau Water Treatment Plant and Dam



Presenting souvenir to Mr Lawrie Cronin

# 2000



# FLASHBACK PAST EVENT



IEE Brunei technical visit to Kuala Lumpur, Malaysia



SESCO (Sarawak Electricity Supply Co-operation) Tg. Kidurong Power Station. Frame-9 Generator at Background



Technical visit, Seria Crude Oil Terminal (SCOT)



Technical visit to Tanjung Kidurong Industrial Zone, Bintulu, Sarawak



Technical Visit to Butra Heidelberg Zement Sdn Bhd

# 2001



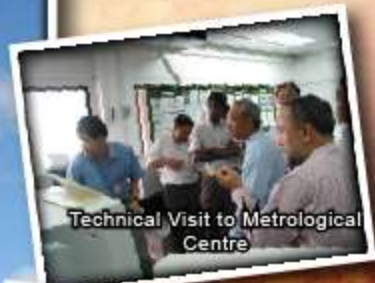
Technical Visit To Coordination Control Centre Brunei Shell Petroleum Co Sdn Bhd



Presenting souvenir to Professor Liew Ah Choy



IEE 7th AGM



Technical Visit to Metrological Centre



ICT Expo 2004



Migration from Analogue to Digital Broadcasting by Mr. Lim Sam Lee



DST HQ Technical Visit



Technical Visit to Airport Control Tower

# 2004



# FLASHBACK PAST EVENT



Why and How to Join IET by Mr Lim Sam Lee



Electrical Certified Equipment in used in Hazardous Area



BICTA Expo 2005

# 2005



IEE visits MINDEF Calibration Centre



Electrical Safety Talk at Work by Mr Lee Chong Kiow



IEE Hong Kong Visit to Brunei



IEM Miri Branch members pays courtesy visit to IEE Brunei Branch



Far East Regional Meeting in Hong Kong



EGM Apr 2006



The 2006 Faraday Lecture KLCC Plenary Hall Level 1

# 2006



RFID in BRUNEI Enabling Tool for Wealth Creation



Royal Brunei Airlines Engineering Department



Building Integrated Photovoltaic (BiPV)





## FLASHBACK PAST EVENT



Personal Professional Development Talk



BPMC Visit May 07



Press Release AITI



10th Annual General Meeting



Harmonics Talk



IECEX 2008 Industry Symposium On Electrical Equipment In Explosive Atmospheres



IETBIC 2008



MTSSR Membership Talk



Save Energy. Use It Efficiently  
(Pre-Conference Talk)



IET President in FERN Meeting



Digital TV Talk

# 2008



# FLASHBACK PAST EVENT



EGNC Talk



Energy Talk



WEHAYA IET



IET visits BSP Bagan Platform



THE INSTITUTION OF ENGINEERING AND TECHNOLOGY VISIT TO THE ROYAL BRUNEI AIR FORCE ON THE 1ST OF MAY, 2009



IET Cybersecurity

# 2009



MOD Courtesy Visit



Solid State Talk 11 May 10

# 2010



IET AGM 2010



IETBIC 2010



PUJA IEM Visit



Present Around The World (PATW) 2010



IEE Wiring Course 12-14 Apr 2010



Mindef Courtesy Visit



# FLASHBACK PAST EVENT



Official Launching of EIR Electrical Book



Group Photo with Royal Brunei Navy Officers



Tech Talk (6 Jul 11)



Present Around The World Participants



IET visit NAVY  
17 June 2011

# 2011



ASEAN/Australia  
Engineering Congress



IET AGM 2011

# 2012



Courtesy Call to UBD



MOH Talk by Dr D. Clifton



Safety & Your Future 14 Jun 12



Visit to BSP Danau  
Platform 23 March 2012



IETBIC 2012



Present Around The World Participants



SEM Borneo 15 Jun 2012



# FLASHBACK PAST EVENT

# 2013



One of the participant present his topic



Augmented Reality Presentation Wins IET Local PATW Competition 2013



Among the audience on the PATW 2013



IET President 2013 visit



Osprey MCY KB 12 April 2013



Gather with the Guest of Honor



Safety Briefing by one of the staff



IET SYMPOSIUM



Briefing by the staff of PTAS Amanah 2 Vessel



PTAS Amanah 2 Vessel Visit



IET Mentoring Workshop by John Lorriman (28 Aug 2014)



Winners of the Present Around The World (PATW) 2014



IET CEng and IEng Talk by John Lorriman (28 Aug 2014)

# 2014



## FLASHBACK PAST EVENT



CAE Brunei Multi-Purpose Training Centre (MPTC)



CVC Perth Australia



IET-ITB Student Chapter visit to Bukit Panggal Power Station

# 2015



Visit to Curtin University



EDUCATIONAL TRIP TO BHC



Talk Highlights Health Risk of Asbestos



CVC Conference IET HQ in Savoy Place London UK



IET Brunei Network organises technical visit to Sungai Kebun Bridge



IET-Technical Visit to Tutong Dam with PUJA

# 2016



IET Brunei Supports Politeknik Brunei ICT INNOVA 8



Present to schools on Engineering



IET Visit to Ulu Belait on Solar Power



Polytechnic Brunei students visit CAE Brunei Multi Purpose Training Centre



# FLASHBACK PAST EVENT



Faraday Challenge



# BICTA

IET in BICTA 2017 Judge



Regional Final PATW 19th  
August 2017, New Zealand



IET/PB On Campus  
Charity Work



Meteorological Department



Sinar Suria MC,  
Biotech Sdn Bhd



Simpor Pharma



Talks on APEQS Order 2011



DIY Faraday Challenge Round  
2 - 13TH MAY 2018



DIY Faraday Challenge Round  
1 - 29TH APRIL 2018



IUOC Membership Drive  
2018 - 11TH AUGUST 2018



IET-Brunei Technical Visit To  
Narcotics Control Bureau



Dalvina Chin, IUOC chairperson  
presenting the benefits of IUOC



IET-PBOC Membership Drive  
2018 - 26TH JULY 2018



Technical Visit To The Engineering Department, Royal  
Brunei Airlines SDN BHD - 20TH OF APRIL 2018



# INTELLECTUAL PROPERTY OFFICE **BRUNEI DARUSSALAM**



Patent

*A patent is a right granted to the owner of an invention to prevent others from making, using, importing or selling the invention without his permission. A patentable invention can be a product or a process that gives a new technical solution to a problem. It can also be a new method of doing things, the composition of a new product, or a technical improvement on how certain objects work.*



Trademark

*A trademark is a sign or symbol used to distinguish goods and services of one trader from another and therefore must not be a sign that traders may wish to use to promote or describe their goods or services*



Industrial Design

*An Industrial Design is the features of shape, configuration, pattern or ornament which when applied to an article gives the article unique appearance. It does not include a method or principles of construction*



PvP

*Protection is given to plant breeders for the unique combination of genes created in a new plant "variety" when set conditions are met after the examination of the seed.*

Please visit the website for more info:

**[www.bruipo.gov.bn/SitePages/Home.aspx](http://www.bruipo.gov.bn/SitePages/Home.aspx)**



لمباتك اركيتيك جوروترا فروفيسيونل دان جورواوكور باهن نكارا بروني دارالسلام  
BRUNEI DARUSSALAM BOARD OF ARCHITECTS, PROFESSIONAL ENGINEERS AND QUANTITY SURVEYORS

The Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) is the statutory body with duties to provide

- Registration
- Regulates the qualifications and practice
- The supply of these services in Brunei Darussalam by corporations and multidiscipline partnerships.

**The Ministry of Development Strategic Plan 2018-2023, in striving toward Quality Living, Sustainable Development and Prosperous Nation aims to ensure high accessibility to quality and reliable services regulated by BAPEQS.**

The Commencement date of Architects, Professional Engineers and Quantity Surveyors (APEQS) Order 2011 is 13 September 2014. At present there are nearly 200 Registered Architects, Professional Engineers and Quantity Surveyors and over 50% are Engineers in the fields of Civil, Electrical, Mechanical & Building Services. Professionals in Chemical, Environmental and Structural Engineering are also within the prescribed branches in BAPEQS

- Architects, Professional Engineers and Quantity Surveyors Order (APEQSO), 2011
- APEQS Rules, 2016
- APEQS (Prescribed Branches Of Professional Engineering) Rules, 2017
- APEQS (Professional Conduct And Ethics) Rules, 2018
- APEQS Guidelines

#### Qualification for Registration (Clause 17(1), APEQSO 2011)





The Architect or Professional Engineer/Engineer or Quantity Surveyor titles are limited to professionals that are registered with the Board. The Board creates greater opportunities to a Registered Professional as

- A BAPEQS registered Professional can register with Practicing Certificate for commercial gains which are regulated and protected by the APEQS Order 2011.
- A BAPEQS registered Architect or Professional Engineer with Practicing Certificate is eligible to register as
  - Registered AA (ASEAN Architect) or ACPE (ASEAN Chartered Professional Engineer) – a professional engineer with a valid practicing certificate in Brunei Darussalam and with intention to extend their client base across ASEAN Countries.
  - RFA (Registered Foreign Architect) or RFPE (Registered Foreign Professional Engineer - ASEAN) – a Registered AA or ACPE with a valid practicing certificate in their country of origin with intention to work in collaboration with an Architect or a Professional Engineer in Brunei Darussalam.
- A registered Specialist Architect or Professional Engineer or Quantity Surveyor
  - Registered Specialist – a professional with specialized or expert in the particular subject matter of engineering design/technology.
  - Registered Specialist with Practicing Certificate – a registered specialist with intention to render specialized engineering services in Brunei Darussalam for a specific project or a specific local firm.
- Licence for Body Corporate or Partnership or Limited Partnership.

Schedule of Fees	
Registered Architect, Professional Engineer and Quantity Surveyor	\$200 (New) \$300 (every 2 years Renewal)
Certificates of Registration	\$150 upon collection
Registered Specialist Architect or Professional Engineer or Quantity Surveyor	\$1050 (New) \$1000 (Yearly Renewal)
Registered Architect or Professional Engineer or Quantity Surveyor with Practicing Certificate	\$250 before 31 Dec annually \$150 Late Renewal Charges
License to supply services – Body Corporate/ Partnership/Limited Partnership	\$1000 yearly

For Any Queries  
Please Contact BAPEQS Secretariat  
at:



+673 2382076



Ground Floor, East Wing  
Ministry of Development  
Building, Old Airport Road  
BB3510, Brunei Darussalam



apeqs.sec@mod.gov.bn  
www.bapeqs.gov.bn

## Built Environment



We champion the physical environments that people need to work, rest and play - offices, homes, services and open spaces. We focus on opportunities for engineering and technology. Bringing together experts from a range of professional disciplines across industry, academia and government, we deliver programmes of activity, inspired by issues of the day and innovation, from retrofit to new build and beyond.



## Design and Production

We celebrate innovation in designing, developing and making the things people need. We focus on opportunities for engineering and technology. Bringing together experts from industry, academia and government, we deliver programmes of activity, inspired by issues of the day and innovation around manufacturing and design, from robotics to sustainability and beyond.

## Energy



The Energy Sector is passionate about low-carbon 'smart' energy systems. We focus on opportunities for engineering and technology in this innovative space and provide independent, impartial thought leadership on the subjects relevant today and in the future. To achieve this we bring together experts from industry, academia and government, in neutral and impartial environments to deliver programmes of activity, inspired by innovation across the energy sector from generation to distribution and beyond.



## Information and Communications

We connect with the relentless pace of change within IT and how digital services are transforming the lives of people across the globe. We focus on opportunities for engineering and technology. Bringing together experts from industry, academia and government, we deliver programmes of activity, inspired by issues of the day from broadcast to networks and beyond.

## Transport



We champion travel and transport for people by air, sea, rail and road. We focus on opportunities for engineering and technology. Bringing together experts from industry, academia and government, we deliver programmes of activity, inspired by issues of the day and innovation around the transport from autonomous vehicles to integrated systems and beyond.

*With Compliments*

**PTD Technology**

POWER · TRANSMISSION · DISTRIBUTION

**OUR VALUES**

1. Provide Quality system product and services
2. Promote good engineering and design practices and workmanship
3. Impact Technical and Management skills to local stake holders and strategic partners
4. Prioritizing of the use local goods and work forces
5. Promote energy conservation and efficiency through adopting new technologies innovation
6. Continuously improve human capital through apprenticeship and collaboration
7. Maintain Company integrity and competitiveness in the business environment

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*With Compliments*



**Jurutera Perunding LCE**

Jurutera Elektrik dan Kejenteraan

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Successfully Delivering Industrial, Commercial & Residential  
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**THANK YOU FOR YOUR  
KIND & GENEROUS  
CONTRIBUTION TO IET  
BRUNEI DARUSSALAM**



**HSE ENGINEERING SDN BHD**  
ENGINEERING EXCELLENCE

Brunei based Mechanical & Electrical Engineering firm since 19th November 1979.

**Address:**

Unit 1, 2nd Floor, Block D, Kiarong Complex, Bandar Seri Begawan BE1318 Negara Brunei Darussalam

Tel No:  
2443 544

Fax No:  
2427 638

Email:  
hse@brunei.bn



CIC Environmental Services Sdn. Bhd., a Brunei based company, has more than 20 years of waste management services experience in oil and gas industry. It has the necessary expertise, technical know-how and the resources in lab service, drill cuttings waste recovery, oil waste recovery waste, effluent water treatment, tank cleaning, mercury and NORMS handling, and other related oil and gas waste management services.

## OUR VISION

To be a trusted market leader in the conversion of recovered waste product to energy and by-products through minimising landfill and delivery of innovative solutions

## OUR MISSION

"We will do our very best to conserve the limited energy resources through recycling oil, for sustainable development to make this earth a pleasant place to live in"

WWW.CICGRP.COM

Waste Collection  
& Transportation

Drums Processing

Laboratory  
Services

Waste Water  
Treatment

Oil Recovery  
Process

Incineration  
Treatment

Tank Cleaning

Oil Spills Recovery





SMES has a joint venture partnership with Matco Asia, Singapore to form SMES Matco Sdn Bhd incorporated in Brunei. Matco Asia is the first Valve Automation Centre for actuated valve in Asia, providing various services to process industries such as oil & gas, petrochemical, chemical, refining, pulp & paper and water treatment.

SMES Matco has been audited and approved by BSP & BLNG as the first local vendor for testing, servicing and local integration of actuated valves in Brunei.

As we continue to build our reliability and efficiency, we are supported by growing customers based, which include offshore, refinery, petrochemical, power plant and Brunei industrial.

As a reliable and efficient service provider company in valve automation, we are fully committed to the Local Business Development Directive whereby we groom our local Bruneians to lead our professionally-qualified pool of engineers besides building-up a competent manpower to serve other countries in the region.

#### Our Vision

To be the One-stop Valve Automation Solutions & Service Provider in Brunei Darussalam & Regional. Solutions & Service Provider in Brunei Darussalam & Regional.



The Institution of  
Engineering and Technology

To find out more about the IET please visit

[www.theiet.org/more](http://www.theiet.org/more)



PAINTBALL ARENA @ JERUDONG

# PAINTBALL PACKAGES

SHOOTING TARGET

WEEKDAYS & WEEKENDS

MEMBERSHIP

FOR THE WEEKEND  
AND BIRTHDAY  
PARTY PACKAGES  
\$10.00  
100  
"ACTIVE"  
PELLETS  
PER HOUR

FOR THE WEEKEND  
AND BIRTHDAY  
PARTY PACKAGES  
\$20.00 \$25.00  
100 100  
"ACTIVE"  
PELLETS  
PER HOUR



FOR THE WEEKEND  
AND BIRTHDAY  
PARTY PACKAGES  
\$30.00 \$45.00  
100 100  
"ACTIVE"  
PELLETS  
PER HOUR



## PURCHASE OF PELLETS

SINGLE (REG) 1000 PELLETS: \$15.00  
- BUBBLE POUCH: 500 PELLETS: \$8.00  
- 1000 PELLETS: \$15.00  
- REG OF PELLETS: 2000 PELLETS: \$28.00

\$32.00 \$120.00  
PER 100G PER HOUR

\*FOR A NEW PLAYER REG. IS \$5 FOR ONE LIFE LINE REGISTRATION FEE\*

+673 2811171 / 7177979 / 7141184  
PAINTBALLARENA@JERUDONG  
PAINTBALL ARENA@JERUDONG

RESERVATION MUST BE 24 HOURS IN ADVANCE

TERMS AND CONDITIONS APPLY



خدمت تکنیکل براچ بروئٹی  
Royal Brunel Technical Services

