



*Advancing Technology for
Humanity*

2016 IEEE Communications Society Chapter Awards and CAA Winner IEEE Malaysia ComSoc/VTS Joint Chapter

Aduwati Sali

2017 Chair

4 December 2017, IEEE GLOBECOM 2017, Singapore



2016 Executive Committee

Fazirulhisyam Hashim

Chair

Aduwati Sali

Vice Chair

Ayman El-Saleh

Secretary

Wan Nurdiana

Treasurer

N. Ramlee (Past Chair/ Membership Development)

K. Abdullah (Program Coordinator)

M. Roslee (Educational/Outreach/Social Activities)

Khairil Anuar (Communication and Publicity)

M. Y. Alias (Branding, Award & Recognition)

H. Mohamad (Professional Activity/Industrial Linkage)

B. M Ali and M. Ismail (International Relation & ICC2016)



ComSoc/VTS Activities



Statistics of ComSoc/VTS Activities



NO.	ACTIVITIES	2012	2013	2014	2015	2016
1	MDP	4	7	8	10	11
2	Technical	10	11	10	16	17
3	Professional	3	8	15	15	12
4	Educational	8	6	6	10	11
5	Social	0	1	4	12	12
6	DLT/DSP	7	8	5	11	9
7	Conference	2	3	2	3	2
8	Visit	0	0	0	2	6
9	Administrative Meetings	9	12	12	35	35
TOTAL		43	56	62	114	115

Technical Activities Highlights



- Technical Talk
 - Forget Big Data. Think About Big Bandwidth
 - Overview of Research on 5G Wireless Communications
 - Amateur Radio Demonstration
 - A Special Generation
 - Research Direction in Next Generation Telecommunications
 - Sensing your Smart Cities
- Workshop
 - 2-Day: Amateur Radio
 - 1-Day: Radar Systems - Application, Latest Trends and Developments
 - 1-Day: Satellite Communications Technology
 - 1-Day: Writing Grant Proposal for Young Researchers
 - 1-Day: Mobile Android Development Technology

Technical Activities Highlights



- Tutorial
 - Half-Day: Introduction of Low Power, Wide Area Networks for “Internet of Things” Engineers and Decision Makers
 - Half-Day: Cognitive radio of 4.5G LTE-A wireless Networks and GNU Radio
- Industrial Forum
 - 5G and Future Wireless Internet
 - Building Next Generation Workforce in Communications and Vehicular Technology
- Conference
 - MICC 2015
 - ISTT 2016
 - ICC 2016



DLT/DSP Activities



• 2015 Speakers

- Sonia Aissa
- A. Nallanathan
- Matolak
- Pradeep K. Ray
- Tarik Taleb
- Koichi Asatani



• 2016 Speakers

- Ying-Dar Lin
- Tarik Taleb
- Shiwen Mao
- Mahbub Hassan
- Xianbin Wang
- Zhu Han
- Anthony Chan



Professional Activities Highlights

- Volunteering in IEEE Conferences
- Professional Talk by Industry (MPWS)
- Leadership Program to ComSoc members
- Professional Talk by Industry (Intel Altera)
- Sharing Experiences on International Academic Services and Research by Ying-Dar Lin
- A Case Study for Professional Volunteerism – 24 Years of IEEE ComSoc Malaysia
- Leadership Talk at UPM Leadership Camp



A Case Study for Professional Volunteerism - 24 Years of IEEE COMSOC Malaysia
Prof. Borhanuddin Mohd Ali

12 AUGUST 2016
FRIDAY
10.00am - 12.00pm
DEWAN SEMINAR
FAKULTI KEJURUTERAAN
UNIVERSITI PUTRA
MALAYSIA
(UPM)

IEEE is probably the largest learned society, having a membership of 420,000 people all over the world, more than 50% of them are from outside USA. Its subject spans over the wide scope of Electrical, Electronic, and Computer Engineering, including their applications in all kinds of fields and they are expanding all the time. In order to function as a massive organization, it has evolved a massive network of people who are organized into units and societies and contribute their time and expertise towards serving the vision and mission of the organization.

In Malaysia, IEEE has taken root from the late 1970s, and now has grown to a large and respectable organization of 3500 people from a few technical society chapters with a common passion, that is, to share and help each other. Amongst them, COMSOC was one of the earliest chapter established in Malaysia, and it has gained enough year after year and still growing. Obviously there were ups and downs, related to the global economic and technological cycle, but the 10th anniversary has been managed to celebrate the success. In most part, this is due to the system of volunteerism that helps to steady the ship and in fact, make headway.

In this talk, I shall try to expand the values of volunteerism, and show how this noble spirit can help to develop one's character and career, and how organizations like IEEE relate largely with my own belief of volunteerism. I shall also try to highlight the importance of the outstanding volunteers in COMSOC and share some information on past 24 years information on

Borhanuddin received his BSc (Hons) from Loughborough University of Technology in 1975, his MSc and PhD from the University of Malaya, Cambridge, in 1981 and 1983, respectively. He subsequently became a lecturer in UPM in 1983 and has just retired recently. He served first university as various administrative positions: Head of Department of Electronics and Computer Engineering (1988-1994), Head of Department of Computer and Communication Systems (1994-2000), Director of Institute of Advanced Technology (UPM) (2000-2012), and Director of the National Centre of Excellence in Smart Technology (NEST). In 1996 he helped to realize the formation of UPM's Institute of Graduate Studies (IGS), and later was made the Chairman of the UPM's Research Committee (RC) from 2001. He is a Fellow Member of IEEE, and also a Chartered Electrical Engineer and a member of IET and other learned societies. He is a past President of IEEE Malaysia Chapter (1998-2000), a Fellow of Institute of Science Malaysia (ISM). He spent most of his volunteering time to IEEE, where he served as a member of the Council in 1996, Vice Chair (2001), Chair (2002-2004), Chair COMSOC Chapter (1998-2002) and 2008-2009, and has been serving in COMSOC AP Board since 2003 under various capacities, including as Vice President, 2011-2012, and now COMSOC Liaison. He also served as IEEE Region 10 Conference and Seminar Coordinator, 2012. His research interests focus on wireless communications in particular wireless sensor networks, MTC and broadband communications. He has authored and is co-authoring more than 110 journal papers and 170 conference papers indexed under Scopus.

2014 and 2016 COMSOC Chapter-of-the-year
2015 and 2014 Malaysia Chapter-of-the-year
2012, 2013 and 2010 VTS Chapter-of-the-year
IEEE.org
comvl.org

Membership Dev. Program Activities

- Promote ComSoc and IEEE to university students and staffs
- Collocate with our Final Year Project Award at various universities



Social Activities Highlights

- Post Flood Humanitarian Program
- IEEE Day
- World Telecommunication and Information Society Day
- Reaching the Homeless, Orphan and Unfortunate People

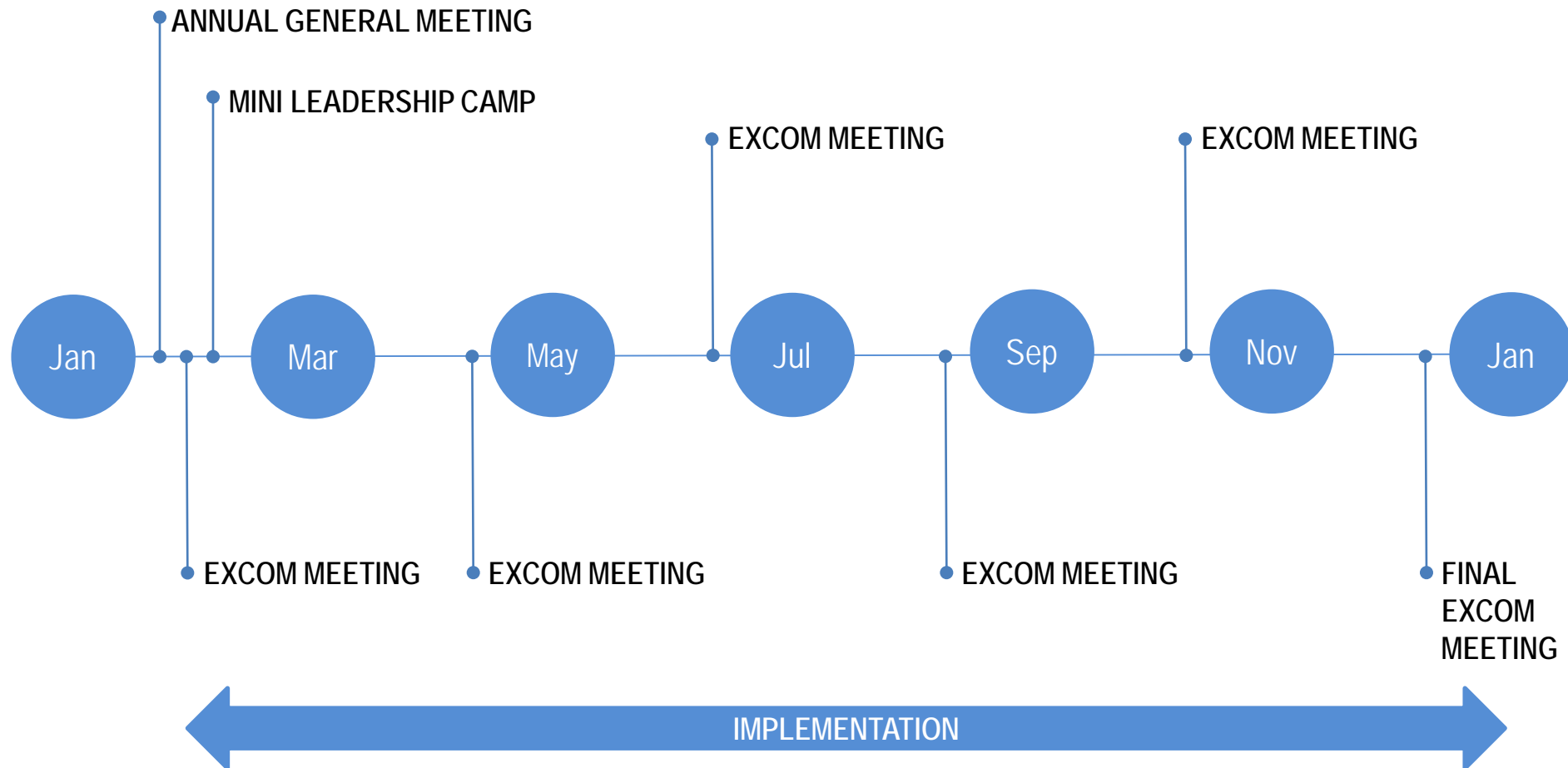


Social Activities Highlights

- Bowling Tournament
- Reaching the Community in Flood Prone Area
- Visit to Pediatric Ward



Our Best Practices



Our Best Practices

- Mini Leadership Camp (early of the year, after AGM)
 - Experience sharing by previous excoms and senior members of ComSoc/VTs
 - Strengthen relationship and teamwork among excoms
 - Learn from the best
 - Plan suitable activities for that particular year
 - Discuss various issues of ComSoc/VTs



Our Best Practices

- Reach the **young** and **student** members
 - Work with ComSoc Student Chapters (provide fund/grant)
 - Motivational talks and activities to IEEE student members to engage and participate in community services
 - They are willing to do the hard work



Student Volunteers of ICC2016

Success Story

- IEEE ICC2016 Student Volunteers
- Humanitarian and Educational Activities

Our Best Practices

- Branding - increase **visibility of ComSoc/VTs** among University management, industry, local and global organizations

Success Story

- IEEE ICC2016
- Co-organized events with industry
- Humanitarian activities
- Subject matter expert

23rd November 2015 (Monday)

Time : 9.15 AM – 12.00 PM

Venue : Auditorium, Malaysian
Communication and Multimedia
Commission (MCMC) Old Building,
Cyberjaya.

Time : 2.30 – 4.15 PM

Venue : Bilik Seminar Al Haytham, Lev. 9,
Tower 2, Engineering Complex,
Universiti Teknologi MARA (UiTM) Shah
Alam.

Co-organized by: IEEE Malaysia ComSoc/VTs Joint Chapter, Malaysian Communication and Multimedia Commission (MCMC), Universiti Teknologi MARA (UiTM) and Malaysian Technical Standards Forum Berhad (MTFSB).

Abstract

The telecom industry keeps reinventing itself. Soon, the world will be experiencing the 5th generation mobile networks (5G), also referred to as beyond 2020 mobile communication systems. Major obstacles to overcome in 5G systems are principally the highly centralized architecture of mobile networks along with the static configuration and configuration of network nodes built on dedicated hardware components. This



Promoting ICC2016



SME (MH370)

Our Best Practices

- Initiate **collaboration with industry**; by means of technical visit and discussions



Our Best Practices

- **FYP Award** (Communications)
- **ComSoc/VTS Awards**
 - Best Paper
 - Best Dissertation
 - Best Social Activity

Benefits

- Increase the visibility of ComSoc/VTS
- Membership Development Program
- Appreciate members and partners



Our Best Practices

- **Publicize** our activities in IEEE Global Communications Newsletter (GCN)



DISTINGUISHED LECTURER TOUR

Distinguished Lecturer Tour of Tarik Taleb: From Finland to Malaysia

By Fazirulhisyam Hashim, Hafizal Mohamad, and Nur Idora Abdul Razak, IEEE Malaysia ComSoc/VTS Joint Chapter

In November 2015, the IEEE Malaysia ComSoc/VTS Joint Chapter hosted an IEEE ComSoc Distinguished Lecturer Tour (DLT) by Professor Tarek Taleb at three different venues, namely MCMC Cyberjaya, UiTM Shah Alam, and the Hilton Kuching. The speaker, Prof. Taleb, is a Professor at the School of Electrical Engineering, Aalto University, Finland. Prior to his current academic position, he worked as senior researcher and 3GPP standards expert at NEC Europe Ltd, Heidelberg, Germany. Before joining NEC and until March 2009, he worked as an assistant professor at the Graduate School of Information Sciences, Tohoku University, Japan, in a lab fully funded by KDDI, the second largest network operator in Japan.

Prof. Taleb arrived in Malaysia on November 22 and was met by Fazirulhisyam Hashim, the current Chair of the IEEE Malaysia ComSoc/VTS Joint Chapter, at Kuala Lumpur International Airport (KLIA), and later checked-in at the Everly Putrajaya Hotel. After finalizing the check-in process, they had a light dinner at the Black Canyon Restaurant in the Alamanda Shopping Mall, which is a three-minute walk from the hotel.

The following day at 10:30 am, Prof. Taleb delivered his first lecture at the Malaysian Communication and Multimedia Commission (MCMC), Cyberjaya. There were approximately 60 attendees, mainly from various research institutes in Malaysia and industry. In the afternoon, Prof. Taleb went to the Faculty of Electrical Engineering, Universiti Teknologi MARA (UiTM) Shah Alam, to deliver his second lecture. There were approximately 20 attendees at this lecture; 90 percent of them were



From left: Sumai Sun, Hamzah Burak, Khairul Akmal Zahri, Tarik Taleb, Tan Ching Seong, Hafizal Mohamad, and Fazirulhisyam Hashim at MCMC, Cyberjaya.



Audience at MCMC Auditorium, Cyberjaya.

hardware-oriented and have a centralized architecture. With the increasing demand for future mobile applications, networks

Our Best Practices



- Organize **high impact** social activities
 - Humanitarian activities
 - Social gathering with the members
- **Reserve** ExCom position for members from industry
 - Improve our visibility
 - Increase the participation of industry in our activities
- Offer **funding** to student chapters/members
 - Co-organize the activities
- **Apply grant** offered by IEEE and R10
 - Healthy account is the key for good organization
- **Appreciate** your volunteers

Our Best Practices



Thank You - from IEEE Malaysia ComSoc/VTs Joint Chapter



Inbox x



Fazirulhisyam Hashim <fazirulhisyam.hashim@gmail.com>

Aug 11 ☆



to bcc: A'ang, bcc: Abbas, bcc: ahalim, bcc: Abdullah, bcc: Abdulwahab, bcc: aalegan, bcc: Abubakar, bcc: adeel.ansari, bcc: Ikuesan, bcc: adhoj

Dear all,

The year 2016 has been a very exciting and unique year for IEEE Malaysia ComSoc/VTs Joint Chapter. This year we celebrate 24 years of IEEE Malaysia Communications Society (ComSoc) and 10 years of IEEE Malaysia ComSoc/VTs Joint Chapter.

Chapter-of-the-Year Awards

2016 is also the year we won the **IEEE Communications Society Chapter-of-the-Year Award**, and **IEEE Communications Society Chapter Achievement Award (Asia/Pacific)**.

(link: <http://www.comsoc.org/blog/announcing-winners-2016-ieee-communications-society-chapter-awards>).

Moreover, it has recently been announced that we also won the **IEEE Vehicular Technology Society Chapter-of-the-Year Award**.

(link: http://www.vtsociety.org/index.php?option=com_content&view=article&id=117&Itemid=116).

On behalf of the 2015 and 2016 Executive Committee (Excom) of IEEE Malaysia ComSoc/VTs Joint Chapter, I would like to express our sincere gratitude for your contribution and generous support in our 2015 activities.

Many thanks to our DLP/DSP speakers of 2015; Prof. Sonia, Prof. Nallanathan, Prof. Matolak, Prof. Pradeep, Prof. Taleb and Prof. Asatani. Not to forget the distinguished speakers of our technical programs; Dr. Sumei, Prof. Takahiko Saba, Prof. Tharek, Dr. Rosdiadee, Prof. M. Yusoff, Prof. A. Annamalai, Dr. Abolfazl, Dr. Ching S. Tan and Dr. Mazlan Abbas.

We collaborated with various IEEE and non-IEEE organizations in 2015 to organize various technical/professional/social activities. Thank you to IEEE Malaysia Section, Malaysian Communications and Multimedia Commission (MCMC), MTFBS, TS Global Network (TSGN), TLDM, Sapura, Malaysia Convention and Exhibition Bureau (MyCEB), Sarawak Convention Bureau (SCB), UKM Student Branch (SB), MMU SB, UPM SB, Nilai University SB, IEEE Malaysia Young Professionals, IEEE Malaysia Women in Engineering, IEEE Malaysia Photonics Society, IEEE Malaysia Consumer Electronics Society and many more.

Special thanks to our friends and volunteers, the organizing committee of IEEE ICC 2016, IEEE MICC 2015, IEEE TAFGEN 2015 and IEEE IconSpace 2015.

This is a moment of great pride and excitement to IEEE Malaysia ComSoc/VTs Joint Chapter and our local members; it won't be achieved without your help, **THANK YOU**.

Best regards,
Fazirulhisyam Hashim
Chair, IEEE Malaysia ComSoc/VTs Joint Chapter

2017 and 2018 Highlights



- MICC 2017
- DSP 2017 – Fawzi Behmann
- ASEAN Summer School 2018 (if funding available)



IEEE ComSoc Distinguished Speaker Program

Cognitive Approach to Building a Safe and Smart City

Jointly organized by :

IEEE Malaysia ComSoc/VTS Joint Chapter
Universiti Putra Malaysia
International Islamic University Malaysia, IARG &
IIUM IEEE Student Branch



Our Speaker :
Fawzi Behmann

President, TelNet Management Consulting, Inc.
Vice Chair, IEEE NA Communications Society

EVENT 1 Monday, Nov 27, 2017

Seminar Hall, Level 2, Faculty of Engineering,
Universiti Putra Malaysia (UPM), Serdang,
Selangor
GPS: 3.0059882, 101.7203621
10.30am – 12.30pm

EVENT 2 Tuesday, Nov 28, 2017

Auditorium A, Ground Floor, Building E2,
Kulliyah of Engineering, International
Islamic University Malaysia (IIUM), Gombak
GPS: 3.2536524, 101.7320189
11.00am – 12.30pm

FREE ADMISSION

Any inquiry please email fazirul@upm.edu.my or refer to www.comvt.org

*Thank
you*

