



**IEEE POWER & ENERGY SOCIETY
MALAYSIA CHAPTER**

26th ANNUAL GENERAL MEETING

Kuala Lumpur Convention Centre

12th February 2022



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NOTICE OF 26th ANNUAL GENERAL MEETING (12th FEBRUARY 2022)

Dear IEEE PES Members,

The 26th Annual General Meeting (AGM) for IEEE Power & Energy Society (PES) Malaysia Chapter will be held on the same date and at the same venue as IEEE Section's AGM. The details of the meeting are as follows:

Date: 12th February 2021 (Saturday)

Time: 9.00 – 10.00 am

Venue: Kuala Lumpur Convention Centre, Kuala Lumpur City Centre

Registration Link: https://bit.ly/PES_AGM_2022

Members who are attending the PES AGM must **register online before or by 4th February 2022**.

Registration is based on first come first serve basis as there is a limit of 35 pax only for the PES AGM meeting room due to COVID SOP. A door gift will be given to those who attend the PES AGM.

The IEEE PES Malaysia Chapter AGM Agenda:

1. To accept the minutes of the 25th Annual General Meeting.
2. To receive the Chair's Report for the 2021 Session.
3. To receive the Treasurer's Report for 2021 Session.
4. Award ceremony for IEEE PES Outstanding Volunteer/Engineer/Student Award.
5. Award ceremony for EPSSCOM 2021 winners.
6. Dissolution of Committee for 2021 Session.
7. Election of Committee for 2022 and appointment of 2 auditors.
8. Address by the PES Malaysia Chapter Chair 2022.
9. Any other business.

Nomination Process:

Early nominations shall be made online through the following link:

https://bit.ly/2022_PES_Nomination

1. A Proposer can nominate a candidate for any of these positions (Chair, Vice Chair, Secretary, Treasurer & Executive Committee)
2. One Secunder is needed to support the nomination.
3. The Nominees, upon consultation by the proposer, shall endorse the respective nomination, on whether they agree to be nominated.
4. The voting process shall be conducted as per the AGM agenda on the day of the AGM.
5. Members who intend to vote shall have to register to attend the physical AGM and voting will be done during the AGM.
6. All online nominations shall be **submitted no later than 23:59 9th February 2022**.
7. Agreed nominees must be present during the AGM or if not available to attend, he/she needs to provide a letter of agreement saying that they agree to be elected as the executive committee.

We thank you for your continued support and dedication to PES Malaysia. Members need to renew 2022 membership before attending the AGM to be eligible to vote during the AGM. For your convenience, kindly renew your membership at <https://www.ieee.org>.

Thank you.

Yours sincerely,

Hazlie Mokhlis,
PhD, SMIEEE
Chair, IEEE PES Malaysia Chapter 2021

26TH ANNUAL GENERAL MEETING PROGRAM OF THE DAY

0830 Registration & Networking
0900 IEEE PES AGM
1000 Tea Break
1030 IEEE Malaysia Section AGM

Agenda:

1. To accept the minutes of the 25th Annual General Meeting.
2. To receive the Chair's Report for the 2021 Session.
3. To receive the Treasurer's Report for 2021 Session.
4. Award ceremony for IEEE PES Outstanding Volunteer/Engineer/Student Award.
5. Award ceremony for EPSSCOM 2021 winners.
6. Dissolution of Committee for 2021 Session.
7. Election of Committee for 2022 and appointment of 2 auditors.
8. Address by the PES Malaysia Chapter Chair 2022.
9. Any other business.

**MINUTES OF MEETING
25TH ANNUAL GENERAL MEETING
6TH FEBRUARY 2021
VIRTUAL AGM**

LIST OF ATTENDANCE

As attachment.

AGENDA

1. To accept the minutes of the 24th Annual General Meeting.
2. To receive Annual Report for 2020 Session.
3. To receive Treasurer's Report for 2020 Session.
4. Dissolution of Committee for 2020 Session.
5. Election of Committee for 2021 and appointment of 2 auditors.
6. Address by the PES Malaysia Chapter Chair 2021.
7. Any other business.

MEETING MINUTES

1. Welcoming address by 2020 Chair

Hazlie Mokhlis as the Chair of PES Malaysia welcomed all members to the 25th PES Annual General Meeting.

2. To accept minutes of the 24th Annual General Meeting

The minutes of the 24th PES Annual General Meeting was presented by the Chair and the minutes were proposed to be accepted with amendment by Mohammed Hussein Saleh Mohammed Haram and seconded by Michael Joseph.

3. Annual Report for 2020 Session

The Chair presented the annual report for 2020 as follows:

3.1 Executive Summary

IEEE Power & Energy Society (PES) Malaysia Chapter had completed 49 activities for the year 2020. The activities include six (6) membership drives, sixteen (16) technical talks, eight (8) educational, three (3) social, six (6) professional, two (2) Women in Power (WiP), two (2) conference and six (6) administration activities. All activities were attended with good number of participants which include both IEEE members and non-IEEE members. In 2020, IEEE PES Malaysia managed to organize few series of membership drive programs. This is to encourage participants especially for the non-IEEE members to join IEEE and IEEE PES where the benefits of IEEE and IEEE PES has been explained during these programs. Although the world has been hit by a tragedy due to pandemic COVID-19, this does not weaken our spirit to continue to run

programs for the benefit of all members. Therefore, most of the programs were conducted virtually.

In terms of awards and achievements, IEEE PES Malaysia had received USD940 in High Performance Chapter Program (HPCP) and runners up for Outstanding Chapter Award (OCA) - (Large Chapter Category) for the activities in 2019. IEEE PES Malaysia has been awarded the runners up for IEEE R10 EAC Challenge University Category on the project “Electrical Power System Simulation Competition 2020 (EPSSCOM)”. On top of that, IEEE PES Malaysia had also received recognition from IEEE Malaysia Section as the 1st Runner up for the 2019 website competition and 3rd Price winner for the Stay-at-Home video in 2020.

3.2 List of Officer and Executive Committee Members

The Executive Committee of IEEE PES for year 2020 are as follows:

No	Name	Portfolio	Affiliations
1	Hazlie Mokhlis	Chair	UM
2	Eng Chin Yeoh	Past Chair / Awards and Nomination	Sher Engineering & Consultancy Sdn Bhd
3	Fatimah Salim	Vice Chair / Membership Development	UTM
4	Nur Ashida Salim	Secretary	UiTM
5	Miszaina Osman	Treasurer	UNITEN
6	Agung Firmansyah	Technical Activities	Ranhill Worley Sdn Bhd
7	Bryan Chan Kok Wai	Industrial Relations & Professional Activities	Lloyd's Register
8	Haroon Rashid	Young Professional Coordinator / Student activity	UKM
9	Zuhaila Mat Yasin	WIE / Educational activity	UiTM
10	Jasrul Jamani Jamian	Humanitarian Activity	UTM

3.3 Organizational Activities

3.3.1 Membership Development Programs

IEEE PES Malaysia and IEEE Malaysia section has organized Membership Drive & Senior Member Elevation Workshop, which have been conducted virtually as listed in the following table:

No	Date	Venue	Speaker	No of Attendees
1	2/5/2020	Cisco Webex	Fatimah Salim	28
2	4/10/2020	Zoom	Hazlie Mokhlis	49
3	17/10/2020	Microsoft Teams	Nur Ashida Salim	80
4	28/11/2020	IEEE PES Malaysia Facebook Live and YouTube Live	Hazlie Mokhlis	90
5	11/12/2020	IEEE PES Malaysia YouTube Live	Agung Firmansyah	106
6	19/12/2020	IEEE PES Malaysia YouTube Live	Hazlie Mokhlis	106

The Senior Member Elevation Workshop was held on 2nd May 2020. This is a "hands-on" workshop where members were given briefing on how to complete the senior membership application form. From this workshop 8 PES Malaysia members had successfully upgraded to Senior Member. On top of that, PES Malaysia membership has shown significant growth from 168 members in year 2019 to 288 members in year 2020. The active promotion of IEEE PES through membership drives activity also had shown increase trend of membership in various grade, mainly student member as shown on in the following table. The significant increase in student members is due to the formation of new student branch chapter (Multimedia University) and the revival of UKM student branch chapter. Some reduction for category Affiliate and Member is due to inactive membership or member had upgraded to other category mainly senior member.

Grade Category	Grade Effective Date (Before 2020)	Grade Effective Date (2020)	Total (Dec 2020)
Affiliate	3	-2	1
Senior Member	55	+8	63
Member	69	-2	67
Graduate Student	11	+27	38
Student Member	30	+89	119
Grand Total			288

3.3.2 List of activities that had been conducted this year are as follow:

No.	Date	Title	Presenter/ Venue	Attendance
Professional Activities				
1	10/4/2020	Leading Through Crisis: How to Turn Adversity into Opportunities	Anita Lawrence / Online	40
2	23/4/2020	Educational Talk on Essential Skills for Practicing Engineer	Mr. Ahmad Zakuan Ahmad Dahalan / Online	133
3	27/4/2020	Embracing Digital World as Technopreneur	Assoc. Prof. SR. Dr. Norngainy Mohd Tawil / Online	134
4	28/4/2020	Malaysia Covid19 Closed Monitoring	Dr. Ramizi Bin Mohamed / Online	124
5	29/4/2020	Engineering your success: The essential skills required to become a professional engineer	Ir. Wan Nor Rashidi Bin Wan Tajuddin / Online	63
6	30/4/2020	IEEE Leadership Talk 2020	Professor Ir. Dr. Zuhaina Binti Zakaria / Online	57
Technical Activities				
1	8/3/2020	Basic Short Course on Off-Grid Photovoltaic (OGPV) System Design	Dr. Jasrul Jamani Bin Jamian Dr. Zulkarnain Ahmad Noorden	18
2	9/3/2020	Discussion on Collaboration Opportunity Between IEEE-PES & ILSAS	IEEE PES & ILSAS representatives	6
3	22/4/2020	Electric Energy: Harvest Strategies for Electric Motor System in Industry	Ir. Assoc. Prof. Gobbi Ramasamy / Online	111
4	22/4/2020	Post COVID-19: Potential Impact to the Power Sector	Dr. Amir Hisham Hashim / Online	87
5	23/4/2020	Powering A Sustainable Future in Malaysia: JKR's Solar Power Initiatives	Ir. Dr. Abdul Muhaimin bin Mahmud / Online	38
6	24/4/2020	Electric Vehicle Charging - Development in Malaysia	Dr Che Hang Seng Ir Lee Yuen How / Online	147
7	8/5/2020	Advances in Control of Fault Tolerant Induction	Dr Che Hang Seng	69

No.	Date	Title	Presenter/ Venue	Attendance
		Motor Drive: Ways to enhance safety and reliability	Dr Mahdi Tousizadeh / Online	
8	11/5/2020	Battery Storage Technologies & Their Potential Applications in the Power Systems	Prof. Wei-Jen Lee / Online	150
9	11/5/2020	ABB TXpert™ On (Power) The World's 1st Digital Power Transformer	Dr. Bhaba Priyo Das / Online	47
10	19/5/2020	Sustainability in Oil & Gas (O&G) and Petrochemical Industry	Mr. Eric Koening / Online	74
11	4/8/2020	Electrical Power System Simulation Competition (EPSSCom 2020)	Virtual	80
12	7/8/2020	SWOT Analysis of Ground Mounted vs Floating Solar Power Plant	Virtual	110
13	20/11/2020	1st IEEE Five Minutes Final Year Project (5MFYP) Competition 2020 - Grand Finale	Virtual	1008
14	28/11/2020	Electrical Protection System in Practice	Ir. Dr. Mohamad Norshahrani Abdul Rahim / Online	90
15	11/12/2020	Quality Assurance of Transformer	Mr. Ronnie Minhaz / Online	106
16	19/12/2020	Technical Career Development for Electrical Engineer	Ts Ir Ammar bin Alamshah / Online	106
Education Activities				
1	11/2/2020	Final Year Project Awards, College of Engineering, UNITEN (Sem 2, 2019/2020)	Dr. Haroon Rashid (Panel of Judges) / Online	75
2	25/4/2020	MATLAB Webinar for Beginner	Ir. Ts. Dr. Rahimi bin Baharom / Online	90

No.	Date	Title	Presenter/ Venue	Attendance
3	28/4/2020	E-Learning Tools For T&L During Pandemic	Dr Abdul Hadi Azman / Online	68
4	29/6/2020	Final Year Project Awards at EngeniusEE 2020, Faculty of Engineering, UM (Sem 2, 2019/2020)	Dr. Haroon Rashid (Panel of Judges) / Online	106
5	27/7/2020	UMP Final Year Project Online Presentation	Dr. Zuhaila Mat Yasin (Panel of judges) / Online	14
6	18/8/2020	Final Year Project Awards, Kulliyyah of Engineering, IUM (Sem 2, 2019/2020)	Dr. Haroon Rashid (Panel of Judges) / Online	7
7	17/9/2020	Final Year Project Awards, Faculty of Engineering, UPM (Sem 2, 2019/2020)	Dr. Haroon Rashid (Panel of Judges) / Online	12
8	10/12/2020	Evaluation of 2020 IEEE Online FYP Competition: Track 7 (Power & Energy)	All PES ExCom (Panel of Judges) / Online	34
Women in Power Activities				
1	29/7/2020	Work-Life Integration and Social Contribution during Covid-19 as Women Engineers	Moderator: Dr. Titiporn Sangpetch Speaker 1: Dr. Jessica Bian Speaker 2: Prof. Ir. Dr. Zuhaina Zakaria Speaker 3: Dr. Piyapan Hannarkin / Online	67
2	26/6/2020	Online Forum Post Covid-19: Embracing the New Normal	Moderator: Prof. Dr. Zuhaina Zakaria Speaker 1: Prof. Dr. Norliza Mohd Nor Speaker 2: Prof. Dr. Titik Khawa Abdul Rahman Speaker 3: Dr. Chuah Soo Cheng / Online	64
Conference				
1	4/10/2020	2020 (8th) International Conference on Smart Grid	Prof. Alberto Borghetti, University of Bologna, Italy	49

No.	Date	Title	Presenter/ Venue	Attendance
		and Clean Energy Technologies	Prof. Masakazu Kato, Tokyo Denki University, Japan Prof. Yun Seng Lim, Universiti Tunku Abdul Rahman, Malaysia Prof. Omar bin Yaakob, Universiti Teknologi Malaysia Prof. Eng Yoke Kee, Universiti Tunku Abdul Rahman, Malaysia / Online	
2	7/12/2020	2020 IEEE International Conference on Power and Energy	Professor Huang-Jen Dato' Ir. Dr. Ali Askar Sher Mohamad / Online	77
Social Activities				
1	19/12/2020	IEEE PES Malaysia 2019 Award Ceremony	2019 IEEE PES Chapter Outstanding Engineer Award: Zuhaina Zakaria 2019 IEEE PES Outstanding Chapter Volunteer Award: Michael Joseph 2019 IEEE PES Malaysia Outstanding Student Volunteer Award: Tuan Nur Affiq Tuan Daud 2019 IEEE PES Corporate Award: TNB Integrated Learning Solution Sdn Bhd (ILSAS) / Pullman Bangsar	15
2	19/12/2020	IEEE PES Malaysia Get Together	Pullman Bangsar	15
3	Jan – Dec 2020	IEEE PES Face Mask Distribution to Members	Delivery by post	200

No.	Date	Title	Presenter/ Venue	Attendance
<u>Administrative activities</u>				
1	15/2/2020	IEEE-PES ExCom Meeting No 1/2020		14
2	15/2/2020	2020 IEEE-PES Strategic Planning		14
3	4/4/2020	IEEE-PES ExCom Meeting No 2/2020		15
4	13/6/2020	IEEE-PES ExCom Meeting No 3/2020		11
5	24/10/2020	IEEE-PES ExCom Meeting No 4/2020		14
6	19/12/2020	IEEE-PES ExCom Meeting No 5/2020		14

3.3.3 Awards

The award received in 2020 is based on PES Malaysia activities that had been conducted in 2019. The awards are as follow:

1. 2019 Outstanding Chapter Award (Large Chapter Category) – Runner up – Received USD250.
2. High Performance Chapter Program (HPCP) for activities in 2019 – Received USD940.
3. Runner-Up for IEEE R10 EAC Challenge University Category on the project “Electrical Power System Simulation Competition 2020 (EPSSCom)” – Received USD300
4. IEEE Malaysia Section 2019 website competition - 1st runners up – Received RM300.
5. IEEE Malaysia Section Stay-at-Home video competition - 3rd Price Winner – Received RM50

2020 Award Recipients are as follow:

1. IEEE PES Chapter Outstanding Engineer Award (Greater than 15 years): Mohamed Fuad Faisal
2. IEEE PES Chapter Outstanding Engineer Award (Less than 15 years): Md Pauzi Abdullah
3. IEEE PES Outstanding Chapter Volunteer Award: Zaipatimah Ali
4. IEEE PES Malaysia Outstanding Student Volunteer Award: Mohammed Hussein Saleh Mohammed Haram

The 2020 Annual Report was proposed to be accepted by M. Zain and seconded by Haroon Rashid.

4. Treasurer’s Report 2020

Miszaina Osman as treasurer of PES Malaysia 2020 presented the Financial Report ending on 31st December 2020. The total balance in account is RM16,003.15. The fixed deposit amount should not be included as the income, it should be the asset. The 2020 Treasurer’s Report proposed to be accepted with amendment by Haroon Rashid and seconded by Ahmad Farid Abidin.

5. Matters Arising

IEEE Section practiced the election to be conducted once in two years based on the constitution. PES will choose whether to follow IEEE Section or not. Further discussion will be conducted during the PES executive committee meeting. (Proposed by: Zuhaina and Seconded by: M. Zain)

6. Dissolution of Committee for 2020 Session

The Chair announced the dissolution of 2020 Executive Committee to allow for the election of the 2020 Executive Committee. He also thanked the 2020 Executive Committee for their hard work and commitment contributed to the chapter.

7. Election of Committee for 2021 and Appointment of 2 Auditors

As the past chair, Yeoh played his role as the election chair with the following results:

Position: Chair		
Candidate	Proposer	Second
Hazlie Mokhlis	Yeoh Eng Chin	Michael Joseph
Result : Hazlie won uncontested		
Position: Vice-Chair		
Candidate	Proposer	Second
Nur Ashida Salim	Haroon Rashid	Zuhaila Mat Yasin
Result : Nur Ashida won uncontested		
Position: Secretary		
Candidate	Proposer	Second
Miszaina Osman	Hazlie Mokhlis	Izham Zainal Abidin
Result : Miszaina Osman won uncontested		

Position: Treasurer		
Candidate	Proposer	Second
Zuhaila Mat Yasin	Miszaina Osman	Nur Ashida Salim
Result : Zuhaila won uncontested		
Position: Committee Members		
Candidate	Proposer	Second
Ungku Anisa Ungku Amiruldin	Miszaina Osman	Mohd Zainal Abidin
Haroon Rashid	Nur Ashida Salim	Zuhaila Mat Yasin

Nurulafiqah Nadzirah Binti Mansor	Hazlie Mokhlis	Muhamad Arif Fikri bin Abd Malek
Norhafiz Azis	Zuhaina Zakaria	Mohd Zainal Abidin Ab Kadir
Agung Firmansyah	Hazlie Mokhlis	Nurulafiqah Nadzirah Binti Mansor
Ahmad Farid Abidin	Zuhaina Zakaria	Nur Ashida Salim
Nur Fadilah AB Aziz	Zuhaila Mat Yasin	Nur Ashida Salim
Result : The elected committee members are: Haroon Rashid Norhafiz Azis Agung Firmansyah Nur Fadilah Ab Aziz		
Position: Auditors		
Candidate	Proposer	Secunder
Mohamad Hadi Sohod	Nur Ashida Salim	Zuhaina Zakaria
M. Zain Abdullah	Izham Zainal Abidin	Yeoh Eng Chin
Result : The elected auditors are: Mohamad Hadi Sohod M. Zain Abdullah		

8 Speech by 2021 Session Chair

PES Chair for 2021, Hazlie, gave a welcoming speech. He hoped to get more participation from members for the 2021 activities. All members are invited to suggest the activities for 2021.

9 Adjournment

The meeting was adjourned at 10:25 am.

Prepared by



Nur Ashida Salim
 Secretary 2020
 IEEE PES Malaysia Chapter

Approved by



Hazlie Mokhlis
 Chair 2020
 IEEE PES Malaysia Chapter

ATTACHMENT 1: ATTENDANCE OF PES 25th ANNUAL GENERAL MEETING

No.	Name	Grade
1	Abdul Waheed Khawaja	Graduate Student Member
2	Affiezal Bin Adnan	Senior Member
3	Agung Firmansyah	Senior Member
4	Ahmad Farid Abidin	Member
5	Eng Chin Yeoh	Senior Member
6	Gan Chin Kim	Senior Member
7	Haroon Rashid	Senior Member
8	Hasmaini Mohamad	Senior Member
9	Hazlie Mokhlis	Senior Member
10	Izham Bin Zainal Abidin	Senior Member
11	Jasronita Jasni	Senior Member
12	Jasrul Jamani Bin Jamian	Member
13	Kanendra Naidu	Member
14	Md Pauzi Abdullah	Senior Member
15	Michael Joseph	Senior Member
16	Miszaina Osman	Senior Member
17	Mohamed Fuad Faisal	Senior Member
18	Mohammad Ali Tofigh	Senior Member
19	Mohammad Lutfi Othman	Senior Member
20	Mohammed Hussein Saleh Mohammed Haram	Graduate Student Member
21	Mohd Zainal Abidin Ab Kadir	Senior Member
22	Muhammad Ammar Zaki Bin Mohd Halim	Student Member
23	Muhammad Arif Bin Isham	Student Member
24	Muhammad Zairie Hakimi Bin Arbain	Student Member
25	Nadia Tan Mei Lin	Senior Member
26	Noor Mohd Fadzli Bin Othman	Senior Member
27	Nur Aiman Safina Binti Shafie	Student Member
28	Nur Ashida Salim	Senior Member
29	Nur Fadilah Ab Aziz	Member
30	Nur Imalin Zaireen Binti Zakaria	Student Member
31	Nurulafiqah Nadzirah Binti Mansor	Member
32	Raymond Wong	Senior Member
33	Shahris Bin Suhaimi	Student Member
34	Soheli Farhana	Senior Member

35	Teh Jiashen	Member
36	Tuan Nur Affiq	Member
37	Ungku Anisa Ungku Amirulddin	Senior Member
38	Zaipatimah Ali	Senior Member
39	Zuhaila Mat Yasin	Senior Member
40	Zuhaina Zakaria	Senior Member
41	Zulkurnain Abdul Malek	Senior Member

IEEE PES MALAYSIA CHAPTER 2021 ANNUAL REPORT

PART A: 2021 CHAPTER SUMMARY

IEEE Power & Energy Society (PES) Malaysia Chapter had completed various activities for the year 2021. The activities include 16 membership drives, 15 technical talks, 8 educational, 2 social, 2 professional, 3 Women in Power (WiP), 8 Humanitarian activities, 3 conferences and 8 administration activities. All activities were attended with good number of participants which include both IEEE members and non-IEEE members. In 2021, IEEE PES Malaysia managed to organize few series of membership drive programs. This is to encourage participants especially for the non-IEEE members to join IEEE and IEEE PES where the benefits of IEEE and IEEE PES has been explained during these programs. Although the world has been hit by a tragedy due to pandemic COVID-19, this does not weaken our spirit to continue to run programs for the benefit of all members. Therefore, most of the programs were conducted virtually.

In terms of awards and achievements, the list below highlights the main achievements of IEEE PES Malaysia Chapter:

1. IEEE PES Malaysia Chapter is the winner for the **IEEE PES Outstanding Chapter Awards for Large Chapter** for the year 2020. Award of USD 1,000 was received and we are being recognized as the best PES chapter in the world for the achievements and activities in 2020.
2. IEEE PES Malaysia Chapter received USD 910 in **High Performance Chapter Program (HPCP) 2020**, first among all 89 IEEE PES Chapter around the world.
3. **IEEE HAC/SIGHT grant** of USD 5,000 for the project "Sustainable Aquaponic System Integrated with Independent Power Supply and Plant-Based Cell" led by Jasronita Jasni and Mohd Zainal Abidin Ab Kadir.
4. **IEEE R10 EAC grant** of USD 150 for the project "Knowledge Transfer Program for River Village Community at Tanjung Surat, Johor, Malaysia " led by Zulkarnain Ahmad Noorden and Jasrul Jamani Jamian.

IEEE PES Malaysia has also expanded our communication channels to further reach out to our members and potential new members. All the online webinars are also recorded and available in our Youtube Channel. Our communication platforms are listed below:

- Email: ieee-pes-member@googlegroups.com
- Facebook: <https://www.facebook.com/IEEEPESMalaysia>
- Telegram group: <https://t.me/+xPwmttAYj9g5ZGU1>
- Youtube channel: https://www.youtube.com/channel/UC7FVG6YWHgIY2P_Ck3DlvYw
- Website: <https://site.ieee.org/malaysia-pes/>
- Instagram: <https://www.instagram.com/ieeepesmy/?hl=en>

- Twitter: <https://twitter.com/IEEEPESMY>
- LinkedIn: https://www.linkedin.com/in/ieee-pes-malaysia-794270117/?miniProfileUrn=urn%3Ain%3Apub%3AminiProfile%3AACoAAB0Mg2AB7k3Ar3U6q_RTui1-UbEjT3cQ9dk

The Executive Committee of IEEE PES for year 2021 are as follows:

No	Name	Portfolio	Affiliations
1	Hazlie Mokhlis	Chair	UM
2	Eng Chin Yeoh	Past Chair / Awards and Nomination	Sher Engineering & Consultancy Sdn Bhd
3	Nur Ashida Salim	Vice Chair / Membership Development	UiTM
4	Miszaina Osman	Secretary	UNITEN
5	Zuhaila Mat Yassin	Treasurer	UiTM
6	Agung Firmansyah	Industrial Relations & Professional Activities	Ranhill Worley Sdn Bhd
7	Ahmad Farid Abidin	Technical Activities	UiTM
8	Haroon Rashid	Young Professional Coordinator / Student activity	UKM
9	Nur Fadilah Ab Aziz	WIE / Strategic Communications	UNITEN
10	Jasrul Jamani Jamian	Humanitarian Activity	UTM
11	Norhafiz Azis	Educational Activities	UPM

PART B: CHAPTER ACTIVITIES

B.1 Membership Development Activities

IEEE PES Malaysia and IEEE Malaysia section has organized Membership Drive & Senior Member Elevation Workshop, which have been conducted virtually as listed in the table:

No	Date	Event	No of Attendees
1	13-Mar-21	IEEE PES Membership Drive	39
2	03-Apr-21	IEEE PES Membership Drive	84
3	04-Apr-21	IEEE PES Membership Drive	222
4	09-Apr-21	IEEE PES Membership Drive	63
5	10-Apr-21	IEEE PES Membership Drive	143

6	12-Apr-21	IEEE PES Membership Drive	50
7	20-Apr-21	IEEE PES Membership Drive	72
8	24-Apr-21	IEEE PES Membership Drive	39
9	27-Apr-21	IEEE PES Membership Drive	288
10	29-Apr-21	IEEE PES Membership Drive	119
11	17-Jul-21	IEEE PES Membership Drive	37
12	31-Jul-21	IEEE PES Membership Drive	38
13	06-Aug-21	IEEE PES Membership Drive	56
14	04-Sep-21	IEEE PES Membership Drive	31
15	20-Sep-21	IEEE PES Membership Drive	454
16	08-Oct-21	IEEE PES Senior Member Elevation Workshop	18

The Senior Member Elevation Workshop was held on 26th September and 8th October 2021. This is a "hands-on" workshop where members were given briefing on how to complete the senior membership application form. From this workshop 1 PES Malaysia members had successfully upgraded to Senior Member. On top of that, PES Malaysia membership has shown significant growth from 288 members in year 2020 to 407 members in year 2021. The active promotion of IEEE PES through membership drives activity also had shown increase trend of membership in various grade, mainly student member as shown on in the following table. The significant increase in student members is due to the formation of new student branch chapter (UTM) and the revival of UKM student branch chapter.

Grade Category	Grade Effective Date (Before 2021)	Grade Effective Date (2021)	Total (Dec 2021)
Affiliate	1	+2	3
Senior Member	63	+3	66
Member	67	+14	81
Graduate Student	38	+37	75
Student Member	119	+61	180
Others (Associate Member, Life Member)	0	+2	2
Grand Total			407

B.2 List of activities that had been conducted this year are as follow:

No.	Date	Title	Presenter	Attendance
Professional Activities				
1	10 April 2021	Energy Transition: Opportunities and Challenges in Power System Research at TNB	Mohd Khairun Nizam bin Mohd Sarmin (TNB Research Sdn. Bhd.)	143
2	19 December 2021	Cable Thermal Analysis and Modelling	Agung Firmansyah (Aker Solutions Sdn Bhd)	35
Technical Activities				
1	13 March 2021	Renewable Energy Landscape within Regulated Environment in Peninsular Malaysia	Zamali bin Zamin, Deputy Director (Electricity Licensing Unit) in Energy Commission, Malaysia	39
2	3 April 2021	Home Energy Management Systems in Future Smart Grid	Prof. Hussain Shareef, Department of Electrical Engineering, United Arab Emirates University, UAE	84
3	6 April 2021	International Webinar - Energy Efficiency & Reliability	1. Mr Ahmed Azad Ismail (Suruhanjaya Tenaga) 2. Dr. Jasrul Jamani Jamian (UTM) 3. Er. Lim Say Leong (Chint)	222
4	8 April 2021	Pengenalan kepada Solar PV & Smart Eco-PV Boat	1. Ir. Ts. Dr. Syed Norazizul Syed Nasir (UTM) 2. Dr Madihah Md Rasid (UTM) 3. Salrizal Abd Aziz (ILP Kepala Batas)	42
5	12 April 2021	Solar: Renewable Energy Challenges and Opportunities	1. Prof. Dr. Nowshad Amin (UNITEN) 2. Prof. Dato' Dr. Kamaruzzaman Sopian (UKM).	50
6	20 April 2021	Development of Grid-connected Photovoltaic Systems in Malaysia	Prof. Dr. Ahmad Maliki Omar (UiTM)	72

No.	Date	Title	Presenter	Attendance
7	24 April 2021	Roles of Renewable Energy in Global Energy Transition for Enhancing Energy Security	Assoc. Prof. Ir. Dr. Nofri Yenita Dahlan (UiTM)	39
8	17 July 2021	Importance of RE in Smart City Sustainability	1. Assoc. Prof. Dr Chockalingam Aravind (Taylor's University) 2. Dr. Muhamad Nabil Hidayat (UiTM)	37
9	31 July 2021	Stability Analysis of DC Microgrid Integrating Wind, Fuel Cell, and Microturbine Power-Generation Systems Fed to Multimachine Systems	Prof Li Wang (National Cheng Kung University, Taiwan)	38
10	4 September 2021	IEEE PES Malaysia Research Discourse 2021 - Series 1 Title: From Theory to Practical: Distribution Network Reconfiguration	Dr. Nurulafiqah Nadzirah Binti Mansor (UM)	31
11	11 September 2021	IEEE PES Malaysia Research Discourse 2021 - Series 2 Title 1: Resolving Impasse in Modern Power System Protection– The Knowledge-Discovery-in-IED Way Title 2: Network Topology Optimisation Based on Dynamic Thermal Rating and Battery Storage Systems for Improved Renewable Penetration and Reliability	1. Assoc. Prof. Ir. Ts. Dr. Mohammad Lutfi bin Othman (UPM) 2. Ir. Ts. Dr. Teh Jiashen (USM)	48
12	18 September 2021	IEEE PES Malaysia Research Discourse 2021 - Series 3	1. Assoc. Prof. Dr. Mohd Rafi Bin Adzman (UNIMAP)	35

No.	Date	Title	Presenter	Attendance
		Title 1: A Novel Wide-Area Fault Detection and Location using Sequence Values and Enhanced Two-Terminal Impedance-Based Method Title 2: Power Quality: Introduction, Measurement & Monitoring	2. Assoc. Prof. Ts. Dr. Dalila Mat Said (UTM)	
13	25 September 2021	IEEE PES Malaysia Research Discourse 2021 - Series 4 Title 1: Reliability assessment by sensitivity analysis due to electrical power sequential tripping for energy sustainability Title 2: Load Frequency Control: Intelligent Approach for Optimum Performance	1. Assoc. Prof. Ir. Dr Nur Ashida Salim (UiTM) 2. Ts. Dr. Kanendra Naidu (UiTM)	66
14	12 November 2021	IEEE PES Malaysia Distinguish Lecturer Program: Robust Volt-VAR Control in Power Distribution	Professor Bikash Pal (Imperial College, London UK)	17
15	11 December 2021	Savings through Solar Energy	Panelist Speakers: 1. Prof Dr Tapan Saha, IEEE Fellow, University of Queensland, Australia 2. Ir. Nirinder Singh Johl, Managing Director, TNBX Sdn Bhd, Malaysia 3. Mr. Elmie Fairul Mashuri, Managing Director, GSPARX Sdn Bhd, Malaysia Moderator: Prof Ir Dr Hazlie Mokhlis,	163

No.	Date	Title	Presenter	Attendance
			Chair IEEE PES Malaysia Chapter, Universiti Malaya	
Education Activities				
1	27 April 2021	Agrivoltaic Technology Adaptation for Malaysia: UPM Initiatives	Ir. Dr. Mohammad Effendy Ya'acob (UPM)	288
2	29 April 2021	Electric Vehicles: The Malaysian Future in Your Hands	1. Prof. Dr. Ishak bin Aris Professor, Faculty of Engineering (UPM) 2. Ts. Bakri Alias Senior General Manager, Malaysia Automotive Robotics and IoT Institute (MARii) 3. Ir. Lee Yuen How Founder & Director, EV Connection Sdn. Bhd.	119
3	19-20 June 2021	1st IEEE Young Professional Future Leader Summit 2021	Series of speakers from IEEE and industry	500
4	17 September 2021	Final Year Project Awards, Kulliyyah of Engineering, International Islamic University Malaysia	Dr. Haroon Rashid (Panel of Judges)	60
5	20 September 2021	Final Year Project Awards, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia	Dr. Haroon Rashid (Panel of Judges)	40
6	27 September 2021	Final Year Project Awards, Faculty of Engineering, Universiti Putra Malaysia	Dr. Haroon Rashid (Panel of Judges)	51

No.	Date	Title	Presenter	Attendance
7	3 December 2021	Evaluation of 2021 IEEE Online FYP Competition: Track 14 (Power & Energy)	All PES ExCom (Panel of Judges)	53
8	18 December 2021	Electrical Power System Simulation Competition (EPSSCOM 2021)	14 teams from universities in Malaysia and Indonesia took part in the competition	109
<u>Women in Power Activities</u>				
1	9 April 2021	Promoting STEM for Sustainable and Clean Energy Future	Professor Emeritus Dr Azah Mohamed	63
2	6 August 2021	Women Empower Women: Fostering Leadership and Success	1. Dr. Vimalaswari K. Ramasamy (Founder and CEO at STRAVIK Business Consulting) 2. Nurashikin Jamil, MIET (Senior Power System Engineer at Mott MacDonald. Glasgow, UK)	56
3	20 September 2021	Asset Management for Power Systems with Novel Methods for Predictive Maintenance	Prof. Dr. Lina Bertling Tjernberg, Professor in Power Grid Technology at KTH the Royal Institute of Technology	454
<u>Humanitarian</u>				
1	23 October 2021	<i>PVedukit</i> – sharing knowledge to Tanjung Surat residence.	Jasrul Jamani Jamian and UTM SBC team	35
2	27-28 October 2021	Solar Project Kampung Orang Asli, Tanjung Surat, Johor – DB preparation	Jasrul Jamani Jamian and UTM SBC team	35
3	2 November 2021	Painting and Repairing of Sekolah Kebangsaan Impian Emas Facilities	Jasrul Jamani Jamian and UTM SBC team	20
4	11-13 November 2021	CSR Disclosure of Solar PV Technology & Wiring in Kampung Orang Asli, Tewowoh, Mersing	Jasrul Jamani Jamian and UTM SBC team	40

No.	Date	Title	Presenter	Attendance
5	19-20 November 2021	CSR Disclosure of Solar PV Technology & Wiring in Kampung Orang Asli, Tanjung Surat, Johor.	Jasrul Jamani Jamian and UTM SBC team	35
6	2-3 December 2021	Solar Project Kampung Orang Asli, Tanjung Surat, Johor – PV installation	Jasrul Jamani Jamian and UTM SBC team	35
7	17-18 December 2021	Solar Project Kampung Orang Asli, Tewowoh, Mersing – House Wiring	Jasrul Jamani Jamian and UTM SBC team	35
8	28 December 2021	Solar Project Kampung Orang Asli, Tanjung Surat, Johor – Launching event	Jasrul Jamani Jamian and UTM SBC team	35
Conference				
1	8-9 March 2021	2021 IEEE International Conference in Power Engineering Application (ICPEA 2021) https://icpea2021.uitm.edu.my/	Keynote speakers: 1. John D.McDonald 2. Ir. Dr. Mohd Fadzil Mohd Siam	43
2	14-16 October 2021	2021 International Conference on Smart Grid And Clean Energy Technologies (ICSGCE 2021) http://www.icsgce.org/	Keynote speakers: 1. Ir Emeritus Professor Tan Sri Dato' Dr Chuah Hean Teik 2. Prof. Chen-Ching Liu 3. Prof. Mo-Yuen Chow 4. Prof. Dr. Zhe Chen	50
3	27-29 November 2021	3rd International Conference on Innovations in Power & Advanced Computing Technologies (i-PACT 2021) https://vit.ac.in/ipact/	Keynote speakers: 1. Sheldon S. Williamson 2. Dr. Aznan Ezraie Bin Ariffin 3. Paresh Oza 4. Kailash Sharma 5. Krishnan Srinivasaraghavan 6. Dr. DP Kothari	150

No.	Date	Title	Presenter	Attendance
Social Activities				
1	10 April 2021	IEEE Power & Energy Society Malaysia Chapter Get Together & Award Ceremony	All ExComm and PES members/ Hotel UiTM Shah Alam.	53
2	6 August 2021	Discussion on Collaboration Opportunity Between IEEE-PES, IET and IEM	IEEE PES, IET and IEM representatives	6
Administrative activities				
1	20 February 2021	IEEE-PES ExCom Meeting No 1/2021		16
2	20 March 2021	2021 IEEE-PES Strategic Planning		16
3	20 March 2021	IEEE-PES ExCom Meeting No 2/2021		15
4	27 June 2021	IEEE-PES ExCom Meeting No 3/2021		13
5	16 September 2021	IEEE-PES ExCom Meeting No 4/2021		15
6	7 November 2021	IEEE PES Malaysia Student Branch Chapter Chairs Virtual Meet-up		6
7	20 November 2021	IEEE-PES ExCom Meeting No 5/2021		11
8	8 January 2022	IEEE-PES ExCom Meeting No 6/2021		15

B.3 Awards

The 2021 Award Recipients are as follow:

1. IEEE PES Chapter Outstanding Engineer Award (Greater than 15 years): Jasronita binti Jasni
2. IEEE PES Chapter Outstanding Engineer Award (Less than 15 years): Teh Jiashen
3. IEEE PES Outstanding Chapter Volunteer Award: Fatimah Salim
4. IEEE PES Malaysia Outstanding Student Volunteer Award: Badrul Munir bin Ghazali (UiTM) and Nik Ahmad Haiqal Ashraf bin Nik Zulkefli (UNITEN).

PART C: GOALS AND PLANS

C.1 Goals

In 2022, the chapter planned to conduct activities that can cover various members' background such as academicians, industrial practices, postgraduate students and undergraduate students.

Some activities will be made public with the objective to increase IEEE PES visibility and at the same time attract new membership.

- a) For student background, we will work closely with IEEE PES student branches to collaborate in the activities.
 - Webinar series will be based on the student interest, for examples on the topic of career development, industrial practices, publication journal paper and motivation talk.
 - Furthermore, we plan to continue organize the Electrical Power System Simulation Competition (EPSSCom). This competition has been successfully conducted in 2020 and 2021 with a good number of group participants from Malaysia and Indonesia. In 2021, CIRED, IET and IEM also co-organized this event with PES Malaysia. For 2022, we plan to involve more industries as co-organizer for this competition and extended to Asian level.
 - A 5-minute Final Year Project (5MFYP) competition and Final Year Project award will also be continued in collaboration with IEEE Young Professional Society.
- b) As for academia, the focus is more on providing with up-to-date technical knowledge and networking opportunities among different universities as well as with industries.
 - Besides organizing technical talks and industrial visit, we are planning to organize one workshop with the objective to bridge academia and industries so that they have opportunity to collaborate.
- c) Meanwhile, activities that may benefited members from industries such as special technical trainings and management skill are planned. The activities can be conducted by our own IEEE PES members that has expertise on special skill and knowledge.
 - Through this, IEEE PES members will work together to provide benefits to each other.
- d) Finally, if COVID-19 pandemic end, we would like to organize one social activity like the High Tea event conducted earlier this year, or any get together events. The objective is to create a strong relationship and networking for the benefits of all members.

C.2 2022 Planned Activities

Activity Type	Activity Description	Date dd/mm/year
Technical	Distinguished Lecture Program	TBA
Technical	Technical Talk by Industries	TBA
Technical	Technical Session hosted by universities	TBA
Technical	Technical visit to selected sites	TBA
Technical	Plain Talk Series on Electrical Power System	TBA
Technical	2022 IEEE International Conference on Power Systems Technology (POWERCON)	12-14 September 2022
Technical	2022 IEEE International	5-6 December 2022

	Conference on Power and Energy (PECon)	
Education	FYP competition in Universities- Sponsor in the terms of prizes and providing professionals/experts as referee	TBA
Education	Electrical Power System Simulation Competition (EPSSCom 2022)	TBA
Education	5 minutes Final Year Project (5MFYP)	TBA
Technical	EDAS Setting for Conference Organizer Workshop	TBA
Membership	Senior membership Drive	TBA
Social	Get together IEEE PES Member program	TBA
Humanitarian	Humanitarian Activities	TBA

Prepared by



.....
 Miszaina Osman
 Secretary 2021
 IEEE PES Malaysia Chapter

Approved by



.....
 Hazlie Mokhlis
 Chair 2021
 IEEE PES Malaysia Chapter

STATEMENT OF INCOME AND EXPENDITURE 2021
IEEE POWER & ENERGY SOCIETY (PES) MALAYSIA CHAPTER

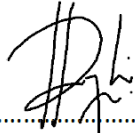
(IEEE Malaysia PES Chapter 10-514-000488-7) statement balance from 2020 (31st December 2020)		RM	16,003.15
INCOMES			
1	IEEE Malaysia Section Grant (1st half 2021)	RM	500.00
2	IEEE Malaysia Section Grant (2nd half 2021)	RM	500.00
3	IEEE-PES High Performing Chapter Program HPCP 2019 (USD940) & HPCP 2018 (USD790)	RM	6,866.37
4	IEEE-PES High Performing Chapter Program HPCP 2020 (USD910)	RM	3,737.37
5	IEEE Chapter Active Bonus (2019, 2020, 2021)	RM	1,140.00
6	R10 EAC Challenge Award (USD300) –EPSSCOM2020	RM	1,200.60
7	IEEE PES Outstanding Chapter Awards for Large Chapter (USD1000)	RM	4,141.00
8	PECON2020 Income Sharing	RM	10,000.00
9	ICPEA2021 Income Sharing	RM	10,000.00
10	ICSGCE2021 Income Sharing	RM	5,000.00
11	2021 IEEE HAC/SIGHT Award Funding	RM	20,925.00
12	3rd place Stay at Home (RM50)	RM	50.00
13	Fixed deposit profit	RM	472.11
	TOTAL INCOME	RM	64,532.45
EXPENSES			
1	Reimbursement & Refreshments for Administrative Meetings	RM	5,154.80
2	Annual General Meeting 2021	RM	2,713.00
3	ExCom Strategic Planning Retreat	RM	7,136.00
4	IEEE-PES Student Branch Chapter support	RM	1,000.00
5	Membership Development Activities	RM	3,180.00
6	Student Activities & Young Professional (YP)	RM	500.00
7	WIE & Strategic Communication	RM	950.00
8	Awards & Appreciation	RM	1,995.00
9	Administrative Expenditure	RM	3,066.34
10	Sponsor for IEEE Malaysia Student FYP 2020	RM	400.00
11	2021 IEEE HAC/SIGHT Award Funding Activity	RM	20,925.00
12	Seed Funding for POWERCON2022	RM	13,500.00
13	IEEE UiTM Student Branch Short Video Competition 2021	RM	300.00
14	Bank Charges	RM	62.50
	TOTAL EXPENSES	RM	60,882.64
CURRENT ASSETS			
1	3 units of RM 10,000 each unit (as of 31/12/2021)	RM	30,000.00
	TOTAL FIXED DEPOSIT	RM	30,000.00

Affin Islamic Bank Berhad

(IEEE Malaysia PES Chapter 10-514-000488-7) statement
balance as at 31 Dec 2021

RM	19,652.96
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The financial statements for IEEE Power & Energy Society for year 2021 are digitally signed by the following:



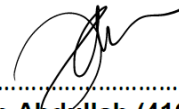
.....
Hazlie Mokhlis (41305363)
Chair, IEEE-PES Malaysia Chapter
Date: 23/1/2022



.....
Zuhaila Mat Yasin (90817131)
Treasurer, IEEE-PES Malaysia Chapter
Date: 23/1/2022



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Mohamad Hadi Sohod (90363543)
Auditor 1
Date: 24/1/2022



.....
M. Zain Abdullah (41631501)
Auditor 2
Date: 24/1/2022



SCAN QR CODE FOR WEBSITE

IEEE POWER & ENERGY SOCIETY MALAYSIA CHAPTER

<https://site.ieee.org/malaysia-pes/>

