

# IEEE Western Australia Section

## **PART A - SECTION SUMMARY**

### **A.1 Executive Summary –**

- **Section Executive Committee Member**
  - Chair: A/Professor Farhad Shahnian
  - Vice-Chair: Anthony Jeganathan
  - Secretary: Dr Md Shoeb
  - Treasurer: Dr Amir Sherkat Masoum
  
- **Section Highlights**
  - Hosted 13 Section meetings in 2020 including one AGM to elect the 2021 committee
  - Hosted 3 social events (mid-year networking dinner in August, IEEE day networking event in October, End of year networking dinner in December 2020)
  - Technical co-sponsorship of one international conference; i.e., ISGT-Asia 2020 (was cancelled because of COVID-19)
  - Technical support to another international conference, SGES 2020 (7 Section members held key administrative roles in the Conference executive, organisation and technical committees)
  - Invited and hosted the IEEE 2020 President and 2021 R10 Director during the AGM in Dec. 2020 and provided an avenue for the local members attending the AGM to hear from 2 distinguished IEEE guests. We received many positive feedback for this initiative.
  - Was listed the most top medium size Section amongst all 59 Sections across R10 and received the highest rebate in late 2020.
  - Arranging 45 technical events by 9 technical chapters, 2 affinity groups and 4 student branches
  - Arranging strong membership development plans for improving the membership retention and encouraging past members to re-join IEEE.
  - Initiated the Industry sub-committee of the IEEE Western Australia Section and called for interested IEEE industry members to join the committee and develop plans and activities interested for industry members to benefit those members and attract more IEEE members from Industry colleagues
  - Initiated strong membership retention email campaigns for re-attracting the past IEEE members to re-join IEEE in 2020, as a result of which several past members who had not renewed in the last couple of years, re-joined again.
  - Initiated strong membership retention email campaigns for encouraging the eligible IEEE members to submit their nominations for elevation to IEEE senior membership levels, as a result of which the IEEE Senior member number of the Section increased
  - Active participation in the Australian Council – present at all meetings
  - Initiating and hosting a Section level IEEE student and Graduate Student Competition for the first time, and awarding the winner students by certificate and cash award at the Section end-of-year networking dinner
  - Praising the active volunteers across the Section by introducing 4 (Section, Student, YP and WIE) volunteer awards, developing the guidelines, and announcing the winners and presenting them with award certificates during the Section end-of-year networking dinner
  - Initiated and provided 2 Trophies and cash award to the most active technical chapters under the Section for praising the highest number of technical activities and highest membership growth amongst all other chapters
  - Developed a membership development and benefit plan and submitted it to R10 membership development committee and won award-4 of 5 top R10 awards
  - Active participation in R10 newsletter by submitting and publishing three newsletter articles
  - Initiating a bylaw revision committee for the Section to revise the 20-year old bylaw of the Section and conducting a bylaw revise election by the Section members

- Initiating a procedure operational development subcommittee to develop the operational procedures of the Section for next years.
- Initiated, proposed and approved adding 2 new roles (Past Chair, and Chair-elect) to the Executive Committee of IEEE Western Australia Section to improve and formalize the knowledge-sharing from the Past Chair to the Current Executive Committee and training possibility for the next Chair. This is in place from Jan. 2021.
- **Major Events (International)**
  - Technical co-sponsorship of ISGT-Asia 2020 (was cancelled because of COVID-19). The Section Chair was the Technical Committee Chair and 3 other Section members had key roles in the Conference organisation.
  - Technically supporting another international conference, SGES 2020 (held in Nov 2020) with 250 online guests from 42 countries. The Section Chair was the Technical Committee Chair of the Conference while 6 other Section members had key roles in the Conference organisation.

- **Major Chapter Activities**

There were total 24 technical activities. All events are reported in Vtools.

- IE13 = 9 technical activities
- SMC28 = 3 technical activities
- SP01 = 2 technical activities
- CAS = 2 technical activity
- CIS11/RA24 = 2 technical events
- COM19 = 2 technical activity
- C16 = 2 technical activity
- ED15/SSC37/PHO36 = 1 technical activity
- PE31/PEL35 = 1 technical activity

- **Major Student and Affinity Group Activities**

There were total 7 technical activities. All events are reported in Vtools.

- Instrumentation and Control in Industry with a BHP Engineer (24/08/20)
- Mock Interview Workshop (19/10/20)
- Networking Online Masterclass (01/07/20)
- Online Job Application Workshop (15/07/20)
- How to Succeed at Your Engineering Internship (22/09/20)
- Electrical Engineering Thesis Induction (20/10/20)
- Renewables: Powering Our Future (7/10/20)

- **Awards**

- The Western Australia Section has sponsored 4 volunteer awards in 2020. The winners received their awards during the end-of-year networking dinner after the AGM in Dec. 2020. The awards were:
  - (a) WA Section Best Volunteer Award 2020
  - (b) WA Section Best YP Volunteer Award 2020
  - (c) WA Section Best WIE Volunteer Award 2020
  - (d) WA Section Best Student Volunteer Award 2020
- The Western Australia Section has developed and sponsored two technical Chapter trophies in 2020. The winners received their awards in the October IEEE day networking event. The awards were:
  - (a) Trophy of the Highest Number of Technical Activities
  - (b) Trophy of the Highest Membership Growth Number
- The Western Australia IES chapter has sponsored three awards:
  - (a) Best Undergraduate Student Award 2020
  - (b) IES Engineer Award 2020

- (c) Young IES Researcher Award 2020
- The Western Australia joint PES/PELS chapter has sponsored one engineer awards:
  - (a) Outstanding Engineer Award 2020
- The Western Australia joint PES/PELS chapter has sponsored two Student Awards at two universities.
  - (a) Curtin University PES/PELS Award
  - (b) University of Western Australia PES/PELS Award

## A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted on NetSuite)

Bank accounts in Australia: AUD 83,141.10

US Concentration account: USD \$14,645.90

### Summary Table:

AUD	Opening Balance	Expenses	Credits	Closing Balance
Unibank I50 (fixed term)	\$ 68,374.01	-\$ 959.48	\$ 959.48	\$68,374.01
Unibank S1 (daily cheque)	\$ 13,419.85	-\$ 15,555.87	\$16,903.11	\$14,767.09
<b>TOTAL</b>	<b>\$ 81,793.86</b>	<b>-\$ 16,515.35</b>	<b>\$17,862.59</b>	<b>\$83,141.10</b>
USD				
Concentration Banking	<b>\$ 10,488.36</b>	<b>\$ -</b>	<b>\$ 4,157.54</b>	<b>\$14,645.90</b>

### Sub-account Balances:

Chapters/Affinity Groups/ Student Branches	Opening Balance	Expenses	Credits	Closing Balance
Computer	\$ 6,444.55	\$ -	\$ 288.00	\$ 6,732.55
Communication	\$ 2,621.53	\$ -	\$ 288.00	\$ 2,909.53
PES/PELS	\$ 2,312.15	-\$ 200.00	\$ 288.00	\$ 2,400.15
Signal Processing	\$ 2,579.09	\$ -	\$ 288.00	\$ 2,867.09
Computational Intel	\$ 2,057.94	-\$ 50.20	\$ 288.00	\$ 2,295.74
ED/SSC/PHO	\$ 2,728.38	\$ -	\$ 686.00	\$ 3,414.38
Syst. Man and Cyber	\$ 1,381.41	\$ -	\$ 288.00	\$ 1,669.41
Curtin SB	\$ 2,736.52	-\$ 492.18	\$ 312.25	\$ 2,556.59
Murdoch SB	\$ 275.23	\$ -	\$ -	\$ 275.23
UWA SB	\$ 709.79	\$ -	\$ -	\$ 709.79
ECU SB	\$ 80.97	\$ -	\$ -	\$ 80.97
YP	\$ 2,584.51	-\$ 294.40	\$ 288.00	\$ 2,578.11
WIE	\$ 980.26	\$ -	\$ 686.00	\$ 1,666.26
IES	\$ 1,304.21	-\$ 625.00	\$ 3,162.58	\$ 3,841.79
CAS	\$ -	\$ -	\$ 288.00	\$ 288.00
<b>TOTAL</b>	<b>\$ 28,796.54</b>	<b>-\$ 1,661.78</b>	<b>\$ 6,862.83</b>	<b>\$34,285.59</b>

## **PART B - ORGANIZATIONAL ACTIVITIES**

### **B.1 Membership Development Activities**

- **Total number of active members in the past 3 years:**

January 2021	January 2020	January 2019
621	629	678

- **Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members:**

Since 2016, the membership number has been declining in the IEEE Western Australia Section. One of the key issues is the end of the mining boom in Western Australia, and the relocation of many engineers (including the existing IEEE members) to other cities and states across Australia.

However, over the past three years, the membership number is more steady. Especially, during 2020 and because of the many technical, social and membership development campaigns, we had a good membership retention.

- Providing professional development and knowledge-sharing opportunities for the members by arranging 45 technical events for members via various technical chapters and affinity groups and student branches.
- Providing networking opportunities for the members by hosting 3 social events (mid-year networking dinner in August, IEEE day networking event in October, End of year networking dinner in December 2020). For these events, the Section covered the expenses by 50%, 100% and 80%.
- Developed a membership development and benefit plan and submitted it to R10 membership development committee and won award-4 of 5 top R10 awards
- Arranging strong membership development plans for improving the membership retention and encouraging past members to re-join IEEE.
- Initiated the Industry sub-committee of the IEEE Western Australia Section and called for interested IEEE industry members to join the committee and develop plans and activities interested for industry members to benefit those members and attract more IEEE members from Industry colleagues
- Initiated strong membership retention email campaigns for re-attracting the past IEEE members to re-join IEEE in 2020, as a result of which several past members who had not renewed in the last couple of years, re-joined again.
- Initiated strong membership retention email campaigns for encouraging the eligible IEEE members to submit their nominations for elevation to IEEE senior membership levels, as a result of which the IEEE Senior member number of the Section increased

### **B.2 Chapter Activities**

- **Total number of Chapters in the Section: 9**
- **Number of Chapters formed in the current year: 0**

The Western Australia Section has 24 IEEE Control systems society (CSS) members and 23 life members. Via an email campaign to these members, we informed the members of the possibility and procedure of initiating the Western Australia CSS and LMAG. However, we didn't receive at least 12 supporters from each. Thus, no new Chapter was formed in 2020. This is a plan for 2021 and will be further followed up.

- **Number of active Chapters (Chapters who have reported required number of meetings during the year): 7**

- **Summary of Chapter activities:**

Event Title	Event Date	Organizational Unit	Attendance
Sensing and Signal Processing Based on Microwave Photonics	17/01/2020 12:00	ED15/SSC37/PHO36	30
Regulatory Aspects of Implementing Advanced Technology	3/04/2020 17:00	PE31/PEL35	n/a
WA IES CHAPTER Technical Event-1 2020	30/04/2020 17:00	IE13	15
WA Computer Society - Computing in Isolation Online Workshop	7/05/2020 17:30	C16	5
WA IES CHAPTER Technical Event-2 2020	28/05/2020 17:00	IE13	10
WA IES CHAPTER Technical Event-3 2020	26/06/2020 17:00	IE13	16
Deep Learning Summer School	29/06/2020 9:00	SMC28	100
The 3rd Deep Learning and Artificial Intelligence Winter/School (DLAI3)	29/06/2020 9:00	CIS11/RA24	100
IEEE Webinar - Quantum CubeSats	9/07/2020 17:30	C16	40
The Western Power GIA Constraint Engine	17/07/2020 10:30	CAS04	20
IEEE WA Signal Processing Chapter Technical Meeting #1/2020	22/07/2020 16:00	SP01	21
WA IES CHAPTER Technical Event-4 2020	23/07/2020 17:00	IE13	16
IEEE Code of Ethics & Global Initiative on Ethics of Autonomous & Intelligent Systems	8/08/2020 22:00	SMC28	72
WA IES CHAPTER Technical Event-5 2020	26/08/2020 17:00	IE13	34
Deep Learning to Computational Forensics: Opportunities and Challenges	23/09/2020 16:30	SMC28	15
WA IES CHAPTER Technical Event-6 2020	25/09/2020 17:00	IE13	65
Looking for change? Roll the Dice and demand Attention	1/10/2020 12:30	CIS11/RA24	17
IEEE WA Signal Processing Chapter Technical Meeting #2/2020	22/10/2020 14:30	SP01	20
WA IES CHAPTER Technical Event-7 2020	22/10/2020 17:00	IE13	14
CAS Technical event	12/11/2020 10:00	CAS04	20
SGES 2020 Conference (joint Technical activity of IEEE WA Section, WA IES Chapter, and Murdoch University Student Branch)	23/11/2020 8:30	IE13, Murdoch SB, WA Section	199
IEEE WA COMSOC 2020 TECHNICAL ACTIVITY #1	26/11/2020 12:30	COM19	4
IEEE WA COMSOC 2020 TECHNICAL ACTIVITY #2	27/11/2020 12:30	COM19	4
WA IES CHAPTER Technical Event-8 2020	27/11/2020 17:00	IE13	31

### B.3 Professional and Continuing Education Activities

- The IEEE Western Australia Section hosted the International Conference on Smart Grids and Energy Systems (SGES) 2020 (held in Nov 2020).
- In addition, the Western Australia WIE and YP affinity groups have hosted 4 professional activities:
  - Mock Interview Workshop (19/10/20)
  - Networking Online Masterclass (01/07/20)
  - Online Job Application Workshop (15/07/20)
  - How to Succeed at Your Engineering Internship (22/09/20)

## B.4 Students Activities

- **Total number of Student Branches in the Section: 4**
- **Number of Student Branches formed in the current year: 0**  
All universities in Western Australia have a student branch now and we have reached 100% student branch formation possibility in the IEEE Western Australia Section.
- **Section level student activities (student congress, paper and other contests, awards etc):**
  - Hosted IEEE WA Section Student and Graduate Student Competition 2020 in December 2020. Winners of the student competition received their award during Section AGM in Dec. 2020
- **Number of active Student Branches (Student Branches who have reported required number of meetings during the year): 3**
- **Summary of Student Branch activities (Student Branch wise with attachment table/information):**

14 events by 4 Student Branches (details not available as since 2019 the SBs are not reporting exact dates and number of attendees in Vtools). However, recently, it has been resumed again, and 12 of the events were reported in vTools.

Event	SB	Date	Event Category
BHP Online Networking Event	Curtin University	20/05/2020	Technical
Networking Online Masterclass	Curtin University	1/07/2020	Professional
Online Job Application Workshop	Curtin University	15/07/2020	Professional
Instrumentation and Control in Industry with a BHP Engineer	Curtin University	24/08/2020	Technical
Electrical Power Systems in Industry	Curtin University	17/09/2020	Technical
How To Succeed At Your Engineering Internship	Curtin University	22/09/2020	Professional
Renewables: Powering Our Future	Curtin University	7/10/2020	Technical
Electrical Engineering Thesis Induction	Curtin University	20/10/2020	Nontechnical
Annual General Meeting	Curtin University	26/10/2020	Administrative
ECU IEEE Day	Edith Cowan University	06/10/2020	Social
IEEE Recruitment/Marketing BBQ	University of Western Australia	27/02/2020	Social
Introduction to Masters: Electrical Eng.	University of Western Australia	03/03/2020	Technical

## B.5 Affinity Group Activities

- **Young Professional (YP)**

YP Event	Date
YP 2020 meeting 1	9/07/2020
YP 2020 Meeting 2	8/08/2020
YP 2020 Meeting 3	8/09/2020
Instrumentation and Control in Industry with a BHP Engineer	24/08/2020
YP + UWA + WIE - Planning Meeting for Mock Interview Workshop	07/10/2020
Mock Interview Workshop 2020	19/10/2020

- **Women In Engineering (WIE)**

<b>WIE Event</b>	<b>Date</b>
End of Year Celebration	03/12/2020
Team Building & End of Year Celebration Event Discussion	15/11/2020
Investment, Personal Finance & Entrepreneurship	05/11/2020
Pitch for sponsorship - Meeting with Ironfish	31/10/2020
WIE Committee Meeting #4	04/10/2020
WIE Committee Meeting #3	6/9/2020
Work from home interview with engineers #2	29/04/2020
Work from home interview with engineers #2	28/04/2020
WIE Committee Meeting #2	05/04/2020
WIE Committee Meeting #1	11/02/2020

- **Life Member (LMAG)**

IEEE Western Australia Section doesn't have a LMAG; however, with the increase in the number of life members in 2020, initiating a LMAG for the Western Australia Section is now a plan for 2021. We have a LMAG coordinator who has been appointed to look after this task in 2021.

## **B.6 Awards & Recognition Activities**

- Award constituted by the Section

- The Western Australia Section has sponsored 4 volunteer awards in 2020. The winners received their awards during the end-of-year networking dinner after the AGM in Dec. 2020. The awards were:
  - (e) WA Section Best Volunteer Award 2020
  - (f) WA Section Best YP Volunteer Award 2020
  - (g) WA Section Best WIE Volunteer Award 2020
  - (h) WA Section Best Student Volunteer Award 2020
- The Western Australia Section has sponsored two Chapter trophies in 2020. The winners received their awards in the October IEEE day networking event. The awards were:
  - (c) Trophy of the Highest Number of Technical Activities
  - (d) Trophy of the Highest Membership Growth Number

## **B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)**

- **Newsletter:**

- IEEE R10 Newsletter-October 2020: IEEE Industrial Electronics Society (IES) Western Australia Chapter Establishment and Activities
- IEEE R10 Newsletter-January 2021: International Conference on Smart Grids and Energy Systems (SGES 2020)
- IEEE R10 Newsletter-January 2021: IEEE DAY 2020 Networking Event, Perth

- **Home Page of the Section:**

Section Home Page ([https://ewh.ieee.org/r10/w\\_australia](https://ewh.ieee.org/r10/w_australia)) is regularly updated and all the events and activities are timely available on the Section webpage.

- **Other means of contacts with Section members including social media:**

- In 2020, Section has opened two social media pages:
  - Facebook (<https://www.facebook.com/IEEE-Western-Australia-Section-119913403129806>)

- LinkedIn (<https://www.linkedin.com/company/ieee-western-australia-section/>)  
All the events and activities are communicated through these pages.
- Email: IEEE Western Australia Section has initiated 4 email campaigns to focused groups to improve the membership retention and growth plans:
  - Encouraging past IEEE members to join IEEE again
  - Encouraging eligible members to submit their nominations to IEEE Senior member grade
  - Inviting interested industry colleagues to provide feedback to their preferred activities, and encouraging them to join the initiated industry sub-committee of the Western Australia Section
  - Encouraging eligible members to submit their petition to form a new CSS and LMAG for the Western Australia Section

## B.8 Industry Relations

- **Membership growth and retention**  
IEEE OU analytics does not provide us with a tool to determine and report the number of industry members of IEEE.
- **Activities for/with industrial members**
- Inviting industry experts to deliver talks in technical events arranged by the chapters and affinity groups for knowledge-sharing and professional development.
- In 2020, Industry Sub-Committee has been formed to identify the needs of industry members and plan activities to retain and attract industry members.
- A detailed online survey was conducted in 2020 to better understand the needs and preferences of the industry members on the various activities that they like to join (social, technical, preferred time and venue of the meetings, necessity of initiating an industry sub-committee, etc. 40 responses were received from industry colleagues.

## B.9 Humanitarian Technology Activities

- **Humanitarian Technology related activities supported by the Section including collaboration with other OUs:** Nil.
- **SIGHT Activities:** Nil  
IEEE Western Australia Section did not have any active participation in the above fields in the past. This is currently a plan for improvement for 2021.

## B.10 Community Activities

- WA Section hosted one end-of-year dinner at the Pan Pacific Hotel, Perth, after the AGM, with family members on Dec. 16<sup>th</sup>, 57 members attended.
- WA Section hosted one mid-year social dinner with family members on August 1<sup>st</sup>, 33 members attended.
- WA Section hosted an IEEE Day Networking event at a hotel in Perth CBD, 60 members attended.
- IES Chapter hosted one mid-year social dinner on August 29<sup>th</sup>, 9 members attended.
- ECU SB hosted an IEEE Day Networking event at ECU campus 6<sup>th</sup> October.



## **PART C - OTHERS**

### **C.1 Special Events**

- **Please briefly describe the importance of special events and the outcomes achieved:**  
WA Section hosted a Section Planning meeting with the current executives and Section past Chairs of the last decade. This was the first of such an activity to bring all past and current chairs together. 7 members attended. This event worked as experience and knowledge sharing one. The past chairs gave suggestions and advices to the present executives on different critical issues to run the Section. Based on the outcomes of this meeting, several new initiatives were formed in 2020.
- **Funding secured from the IEEE and external sources including sponsorships:** Nil

### **C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)**

- **Nature of relationship and details of any formal agreement signed:** Arranging a joint event, no formal agreement
- **Details of joint activities:** WA Young Professional Networking event jointly held by IET Young Engineers
- **Benefit to IEEE members (for example discounts, access to technical information etc.):** Networking with members from other organizations (IET)
- **Benefit to Section (for example help in membership development, venue facilities, cost saving etc.):** Looking for encouraging new people to join IEEE, Costs were shared with the other organization based on the number of members attending from each organization

### **C3. Collaboration with other IEEE Sections**

- **Support extended to neighboring Sections:** IEEE Western Australia Section has been in continuous contact with the Chairs of the other Sections in Australia, and also attends all Australia Council meetings for information sharing and creating a platform for sharing lessons learnt from their past practices.
- **Joint activities with any other Section:** Nil

### **C.4 Support extended to Sub-sections & Society Chapters within the Section**

- **Support extended for organizing technical, educational and professional activities:**
  - Arranging one-to-one discussion and training sessions via emails, online or in-person meetings throughout the year for information sharing, providing training to IEEE rules and policies, etc.
  - Enabling all chapters and affinity groups to use the IEEE e-notice tool of the IEEE Western Australia Section to publicize their activities to the broader group of IEEE members across the Section.
- **Joint activities for membership development:**  
Inviting all chapter chairs and executive committee members to join the networking events of the Section and publicize their chapters and attract more members
- **Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section:** N/A

### **C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)**

- Properly publicizing the events (such as mid-year, end-year, IEEE day) through different channels (social media and personal email) to increase the number of participants as well as the visibility of IEEE.
- Arranging the events at the city centre, after hours and in a professional venue (e.g., a hotel) is more attractive to the members and more members tend to attend.
- Conducting email campaigns to invite eligible member to submit their nomination forms for Senior member level, attract past members to join IEEE again, etc. were very successful for us.

### **C.6 Problems anticipated and suggestions for solutions, if any**

- Motivating the students to join IEEE has been a problem. Direct and visible benefits for the students needs to initiated and publicized. Western Australia Section is going to initiate a mentoring program to link the students with the industry professionals to make IEEE membership for students an advantage and attracting point. This is the current plan for 2021.

## **PART D - GOALS AND PLANS**

### **D.1 Continuation of project/activity in progress and their implementation plans**

The IEEE Western Australia Section will continue the following activities in 2021 same as 2020:

- Social events (mid-year and end-of-year networking dinner, and IEEE day networking event)
- IEEE Western Australia Student Competition
- Award ceremony for Section volunteers
- Trophies for the most active chapters in membership growth and number of technical activities
- Active arrangements of Industry sub-committee

### **D.2 Goals and Future Plans**

- **Administrative:**
  - Finalizing the draft of the IEEE Western Australia Section's operational procedures
  - Revising and conducting a Section wide election for the revised IEEE Western Australia Section bylaws
- **Training and Knowledge-sharing:**
  - Conducting a training workshop for the recently joined members to IEEE Western Australia Section Committee to inform them about IEEE, IEEE Western Australia Section, its technical chapters, affinity groups and student branches, operation principles, reporting requirements, online tools, finance issues, etc. (already conducted on 6 Feb. 2021; 13 members attended)
- **Advanced Planning for better management:**
  - Conducting a planning workshop at the beginning of the year to plan and approve all activities of the Section in 2021, with the relevant guidelines, timeline, inviting members to take roles and build up leadership skills, etc. (scheduled for 20 Feb. 2021)
- **Praising current members by 4 new Technical Awards:**
  - IEEE Western Australia Section will be creating 2 new technical awards for academics and 2 new technical awards for its industry members. Developing the award guidelines and timeline will be in 2021. The first 2 awards will start from 2021 and the latter 2 from 2022.
- **Encouraging more IEEE Student members to join IEEE:**
  - IEEE Western Australia Section until last year used to award one award to each of the 4 universities in Western Australia. The awardees were selected by the Universities and were not necessarily IEEE student members. They were not encouraged to join IEEE after that either. This

fund will be cancelled and will be redirected to attract 50 new IEEE student members with discounted membership (in the form of reimbursing 50% of their first year's membership to IEEE). This would attract more student members to IEEE each year.

- **Arranging professional activities:**
  - IEEE Western Australia Section has never arranged professional activities for its members before. From 2021, IEEE Western Australia Section will arrange a half-day conference/workshop for its members. Attendance will be free for IEEE members but tickets will be also sold for non-IEEE members. The speakers will be mostly from industry and cross-disciplinary and by nomination from the technical chapters.
- **Support for Technical Chapters:**
  - Providing a small cash support (200 AUD) for all technical chapters that can provide a plan for 4 technical events by March, and conduct the events with at least 8 weeks interval before November.

### **D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.**

All IEEE Sections should arrange a cross-disciplinary Section level conference each year and also invite some high profile speakers from IEEE HQ and R10 to enable a networking event for the local members, as well as opportunity to learn and hear new technical topics. This is very valuable mostly for industry members who do not attend conferences as regularly as academic members.

### **D.4 Business Plan for Sustainable Growth and Financial Stability.**

- Arranging events that are subsidised or discounted for IEEE members but can attract funding by selling tickets to non-IEEE members (or encourages them to join IEEE and then attend all annual events at the subsidised costs)
- Currently, the IEEE Western Australia Section is only the technical co-sponsor of the conferences at Perth. IEEE Western Australia Section becomes a financial sponsor of the international conferences that are to be held at Perth to increase its financial income. This will be sought in 2021 onwards depending on the possibility and feasibility.