

2019 Vietnam Section Report

PART A - SECTION SUMMARY

A.1 Executive Summary

- Section Executive Committee Member List
Chair: Do Hong Tuan
Vice Chair: Huynh Thi Thanh Binh
Secretary: Pham Nguyen Thanh Loan
Treasurer: Huynh Thi Thanh Binh
Student Activities: Tran Minh Triet
- Major Events (International, National): 15 events for professional and continuing education activities.
- Major Chapter Activities: organize technical activities, seminars, workshops, conferences for Computational Intelligence Society, Communication Society, Solid-State Circuits Society; connect people in these research fields.
- Major Student and Affinity Group Activities: organize events for women, young professional.

A.2 Financial Report

- Summary (as per submitted on NetSuite)
Opening balance on Jan 2019: 5226.06
Closing balance on Dec 2019: 8119.10 USD
- Any other financial activities: receive funding from IEEE R10 only.

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

Total number of active members in the past 3 years

Year	2017	2018	2019
Total number of members	187	175	196

Activities:

1. IEEE Vietnam section officers meeting at Hanoi University of Science and Technology
Time: 15 March 2019
Venue: Room 401, C9 Building, Hanoi University of Science and Technology
Inform the information from R10 meeting. Discuss for the plan of IEEE Vietnam Section on 2019 including how to improve the number of IEEE members. In conclusion, it is required that a conference under sponsorship by IEEE Vietnam Section should have an additional discount policy of conference fees for IEEE members in Vietnam Section (besides the normal discount policy of conference fees for IEEE members). It may lead to growth of members.
2. Women in Engineering meeting
Time: 17 October 2019
Venue: Vietnam National University, Hanoi
Talk show: Empowering Women in Science
https://www.facebook.com/vsl.vnu/?_tn_=%2CdkC-R&eid=ARCM5LMz00PH9sVUdqSzUO5cxwBuCnAmoQdfDEni7E0o95ZIO3pw8HRfYAXwSshx4cj2vLKsqKYbttz&hc_ref=ARTxmEslid-04EDe6gOr5O2MeDgWKzeDAzZk3QIY6LxiSXZkOGuqqALcRt93G4-1bRAs

40 people participated this event to share research activities "How do women succeed on the scientific path? ", " What strategies can women have to enjoy the life while still doing science? In this activity, it includes the introduction to IEEE and the values of membership (in particular for women).

B.2 Chapter Activities

- Total number of Chapters in the Section: 3
- Number of Chapters formed in the current year: 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year): 3.
- Summary of Chapter activities (Chapter wise with attachment table/information):
 1. Co-organize technical events (Computational Intelligence Chapter)
2019 11th International Conference on Knowledge and Systems Engineering (KSE 2019)
Invite Keynote Speaker to give talk at KSE conference
Ong Yew Soon, Nanyang Technological University
Towards 'General Optimization Intelligence'
Keynote Speaker at KSE 2019
Time: 24-26 October 2019
Venue: The University of Da Nang - University of Science and Education, Danang, Vietnam
100 participants.
<http://kse2019.ued.udn.vn/welcome>
 2. Technical sponsors and patrons (Communication Chapter, Solid-State Circuits Chapter, Computational Intelligence Chapter)
2019 19th International Symposium on Communications and Information Technologies (ISCIT 2019)
Time: 25-27 September 2019
Venue: Ho Chi Minh city, Vietnam
150 participants
<http://iscit2019.org/>
 3. Technical sponsor (Communication Chapter)
The 5th NAFOSTED Conference on Information and Computer Science (NICS 2018)
Dates: 23-24 November 2018
Venue: Ton Duc Thang University, Ho Chi Minh, Vietnam
<http://nafosted-nics.org/>
 4. Technical sponsor (Communication Chapter)
The 6th NAFOSTED Conference on Information and Computer Science (NICS 2019)
Dates: 12-13 December 2019
Hosted by Posts and Telecommunications Institute of Technology, Hanoi, Vietnam
<http://nafosted-nics.org/>
 5. Technical sponsor (Communication Chapter)
2019 International Conference on Advanced Technologies for Communications (ATC 2019)
Dates: 17-19 October 2019
Venue: Ha noi city, Vietnam
<http://atc-conf.org/>

B.3 Professional and Continuing Education Activities

1. The 5th NAFOSTED Conference on Information and Computer Science (NICS)
Dates: 23-24 November 2018
Venue: Ton Duc Thang University, Ho Chi Minh, Vietnam
<http://nafosted-nics.org/>

- IEEE R10 Director Kukjin Chun participated NICS 2018 and made presentation about IEEE R10 activities.
2. IEEE R10 Director Kukjin Chun visited Hochiminh University of Science, Vietnam National University on 22 November 2018. Kukjin introduced IEEE R10 activities for Professors and students in Hochiminh US.
 3. IEEE R10 Director Kukjin Chun visited Hanoi University of Science and Technology, Hanoi, Vietnam on 19 November 2018. He had meeting with IEEE Vietnam officers to discuss for the plan, activities of IEEE Vietnam section.
 1. Seminar on “Smart Lighting” organized by Ho Chi Minh City University of Technology and Signify Vietnam, in Ho Chi Minh city University of Technology, on 6 March 2019. Number of attendees: 50.
 2. 2019 International Conference on Multimedia Analysis and Pattern Recognition (MAPR)
Dates: 9-10 May 2019. Venue: Ho Chi Minh city, Vietnam
<http://mapr2019.uit.edu.vn/>
 3. Seminar on “Integration of Solar PV Systems into Grid” was given by Prof. Tran Quoc Tuan, INSTN – Paris Saclay University, France, in Ho Chi Minh city University of Technology, on 5 July 2019. Number of attendees: 20.
<https://drive.google.com/open?id=1nM6u44UJydxYoWSicAu4runqhsGfmHta>
 7. Workshop for technology cooperation and demand discovery with overseas university/company on national R&D project, organized by Ho Chi Minh City University of Technology and Korean companies (KETI, ETRI, DGIST, AIJINEXTEK, JWT) in Ho Chi Minh city on 29 August 2019. Number of attendees: 30.
https://drive.google.com/open?id=17tz3ghjz_-nmM714GfhGg1crNe_jYZs
 8. 2019 19th International Symposium on Communications and Information Technologies (ISCIT)
Dates: 25-27 September 2019
Venue: Ho Chi Minh city, Vietnam
<http://iscit2019.org/>
 9. Seminar on “AI Applications in Modern Electric Motor” was given by Prof. Mi-Ching Tsai, National Cheng Kung University, Taiwan in Ho Chi Minh City University of Technology on 9 October 2019. Number of attendees: 20.
<https://drive.google.com/open?id=1BIpNG43Lgn25CDjfCNXkylQqmlFk4FCv>
 10. 2019 International Symposium on Electrical and Electronics Engineering (ISEE 2019)
Date: 10-12 October 2019
Venue: Ho Chi Minh City University of Technology
<http://feee-conf.com/isee2019/>
 11. Seminar on “Glocal (Global/Local) Control for Hierarchical Networked Dynamical Systems with Applications to Electric Vehicle Control”, was given by Prof. Shinji Hara, Professor Emeritus of Tokyo Institute of Technology and University of Tokyo, in Ho Chi Minh City University of Technology, on 18 October 2019. Number of attendees: 20.
<https://photos.app.goo.gl/jd3sPjBaTaEs1pGaA>
 12. 2019 International Conference on Advanced Technologies for Communications (ATC 2019)
Dates: 17-19 October 2019
Venue: Ha noi city, Vietnam
<http://atc-conf.org/>
 13. 2019 11th International Conference on Knowledge and Systems Engineering (KSE 2019)
Dates: 24-26 October 2019
Venue: Da nang city, Vietnam
<http://kse2019.ued.udn.vn/>
 14. 2019 25th Asia-Pacific Conference on Communications (APCC)
Dates: 6-8 November 2019
Venue: Ho Chi Minh city, Vietnam
<http://apcc-conf.org/>

15. The 6th NAFOSTED Conference on Information and Computer Science (NICS)
Dates: 12-13 December 2019
Hosted by Posts and Telecommunications Institute of Technology, Hanoi, Vietnam
<http://nafosted-nics.org/>

B.4 Students Activities

- Total number of Student Branches in the Section: 01
- Number of Student Branches formed in the current year: 0
- Section level student activities (student congress, paper and other contests, awards etc)
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
 1. Student meet up at KSE conference
Time: 25 October 2019
Venue: Danang University, Danang, Vietnam
<http://kse2019.ued.udn.vn/welcome>

B.5 Affinity Group Activities

1. Young Professional meet up 1
Time: 14 August 2019
Venue: Hanoi University of Science and Technology
Young Professional meet up during the event AI4VN.
2. Young Professional meet up 2
Time: 25 October 2019
Venue: Danang University, Danang, Vietnam
Young Professional meet up during the event KSE 2019.
3. Women in Engineering 1
Time: 8 March 2019
Venue: Hanoi University of Science and Technology
4. Women in Engineering meeting 2
Time: 17 October 2019
Venue: Vietnam National University, Hanoi
Talkshow: Empowering Women in Science
https://www.facebook.com/vsl.vnu/?_tn_=%2CdkC-R&eid=ARCM5LMz00PH9sVUdqSzUO5cxiwBuCnAmoQdfDEni7E0o95ZIO3pw8HRfYAXwSshx4cj2vLKsqKYbbtz&hc_ref=ARTxmEsl-04EDe6gOr5O2MeDgWKzeDAzZk3Q1Y6LxiSXZkOGuqqALcRt93G4-1bRAs
40 people participated this event to share research activities "How do women succeed on the scientific path? ", " What strategies can women have to enjoy the life while still doing science?"

B.6 Awards & Recognition Activities

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

B.8 Industry Relations

B.9 Humanitarian Technology Activities

B.10 Community Activities

STEM is implemented in high school around Hanoi by University researchers, in special the researchers from Hanoi University of Science and Technology in different fields: IoT, Robotics, Data Science and Environment.

1. Teaching high school students on designing internet of things systems by providing short courses and information events

	Place	Time	Number of attendees
1	Trung Vuong highschool, 28 Hang Bai st., Hanoi	Aug 2019	49
2	Ta Quang Buu highschool, Hanoi	Jul 2019	20
3	Hanoi-Amsterdam highschool, Hanoi	May, Jun 2019	14
4	Han Thuyen high school, Bac Ninh province	April 2019	42

2. Teaching high school students on coding with robot systems by providing short courses and information events

	Place	Time	Number of attendees
1	Kim Lien highschool, 28 Hang Bai st., Hanoi	Jun 2019	21
3	Hanoi-Amsterdam highschool, Hanoi	May, Jun 2019	11
4	Han Thuyen high school, Bac Ninh province	April 2019	38

3. Teaching high school students on air quality monitoring system and data science by providing short courses and information events

	Place	Time	Number of attendee
1	Trung Vuong high school, 28 Hang Bai st., Hanoi	Aug 2019	32
2	Ta Quang Buu high school, Hanoi	Dec 2018 Jun 2019	30
3	Hanoi-Amsterdam high school, Hanoi	Feb 2019, Jun 2019	11
4	Han Thuyen high school, Bac Ninh province	May 2019	37
5	Chu Van An high school, Hanoi	May 2019	39

PART C - OTHERS

C.1 Special Events

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

C3. Collaboration with other IEEE Sections

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

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

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

PART D - GOALS AND PLANS

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

- Supporting professional and education activities such as conferences, technical seminars and lectures.
- Developing more student activities such as technical conferences/seminars, technical contests.
- Continuing further affinity group and community activities.
- Developing industry relations with activities such as membership development, industry sponsorship for professional and student activities, joint technical workshop/seminar between industry and academia.

D.2 Goals and Future Plans

Goals:

- Membership growth and retention for student grade and higher grade.
- Benefit to IEEE members in Vietnam Section.
- Developing industry relations.

Future plans:

- Developing more communication activities such as developing Vietnam Section homepage, broadcasting membership information to university and industry, connecting closely with Section members via Facebook/Viber.
- Developing benefit policy for IEEE Vietnam Section members.
- Besides supporting professional activities, developing and supporting more activities for student and industry.

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

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