Thailand Section Report 2019

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List
  Chair: Viboon Rerksirathai
  Vice Chair: Kirapat Jiamset
  Secretary: Amorn Jiraseree-amornkun
  Treasurer: Somying Thainimit

- Section Highlights
  - Hosting the IEEE PES GTD 2019
  - Hosting the IEEE APCCAS 2019
  - Preparing the IEEE Distinguished Lecturer Program Thailand (DLPth)
- Major Events (International, National)
  - March 2 – 3, Dr. Amorn Jiraseree-amornkun (Secretary) and Dr. Somying Thainimit (Treasurer) attended the IEEE R10 Annual General Meeting 2019, held in Melbourne, Australia
  - March 19 – 23, IEEE PES GTD Grand International Conference & Exposition Asia 2019, held in Bangkok.
  - May 16, Celebration of the International Day of Light (IDL) 2019 Thailand, held on Sakon Nakhon, Thailand
  - November 21, IEEE PES Dinner Talk: "Disruptive Technology in Thailand's Future Electricity Industry: Expect Uncertainty/Prepare to Adapt," held in Bangkok.
- Major Chapter Activities
  - Technical seminars
  - Conferences
  - Workshops
- Major Student and Affinity Group Activities
  - Technical seminars
  - Conferences
  - Workshops
- Awards
  - IEEE PES Thailand Chapter won IEEE PES High Performing Chapter Program (HPCP)

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

- Summary (as per submitted on NetSuite)

Income Statement

FINANCIAL ROW	AMOUNT
Ordinary Income/Expense	
Income	
1.10 - Received from Individuals	$8.85
1.30 - Received from Foundations	$14,492.37
2.60 - Educational Activities	$3,046.92
2.70 - Professional Activities	$26,616.10
3.10 - Rebate from IEEE HQ	$7,754.15
3.34 - IEEE HQ & Societies	$10,622.47
3.40 - IEEE CB Account Interest	$140.38
3.90 - Reserve Allocation Income	$1,400.83
Total - Income	**$64,082.07**
Gross Profit	**$64,082.07**
Expense	
4.50 - Conference Expenses	$26,616.10

4.90 - Other Program Expenses	$44,055.46
Total - Expense	**$70,671.56**
Net Ordinary Income	**($6,589.49)**
Net Income	**($6,589.49)**

- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.

Year	F	LS	SM	LM	M	AF	A	GS	S	TOTAL
2019	1	6	59	13	331	11	12	53	35	521
2018	1	7	56	13	498	14	21	117	103	830
2017	1	5	49	15	486	15	16	119	92	783

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - Arrange technical seminars, workshops, and meetings
  - Provide subsidy for Student Membership to selected students
  - Encourage university to found student branch chapters

B.2 Chapter Activities

- Total number of Chapters in the Section
  - 15 Chapters:
    1. Signal Processing (SP01)
    2. Broadcast Technology (BT02)
    3. Joint Antennas&Propagation/ Electron Devices /Microwave Theory & Techniques (AP03/ED15/MTT17)
    4. Circuits & Systems (CAS04)
    5. Computational Intelligence (CIS11)
    6. Joint Industrial Electronics/ Industry Applications/ Power Electronics (IE13/IA34/PEL35)
    7. Engineering in Medicine & Biology (EMB18)
    8. Communications (COM19)
    9. Control Systems (CS23)
    10. Robotics and Automation (RA24)
    11. Education (E25)
    12. Power & Energy (PE-31)
    13. Magnetic (MAG33)
    14. Photonics (PHOT36)
    15. Solid-State Circuits (SSC37)
- Number of Chapters formed in the current year
  - Magnetic (MAG33)
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
  - 10 Chapters (SP01, BT02, CAS04, IE13/IA34/PEL35, EMB18, COM19, CS23, PE31, MAG33, SSC37)
- Summary of Chapter activities (Chapter wise with attachment table/information)
  - Section ExCom Monthly meeting
  - Total number of events such as technical meetings held by Chapters in Thailand is over 80.

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

- IEEE SPS Industry Distinguished Lecture at IEEE ICCE Asia 2019: History of Personal Media Terminals - From Walkman to Apple Watch, 12 Jun 2019
- IEEE PES DLP: Increasing the PV Hosting Capacity of Distribution Networks-The Role of Smart Inverter and Storage & Intelligent Control of Electric Vehicles - Lessons Learned from the Largest UK EV Trial, 15 Oct 2019
- IEEE Signal Processing Society Distinguished Lecture: Data Fusion Through Matrix and Tensor Decompositions - An Overview of Solutions, Challenges, and Prospects, 15 Oct 2019
- IEEE SSCS Distinguished Lecturer Program: Analog IP - Pipe-line or Pipe-dream?, 15 Nov 2019
- IEEE SSCS Distinguished Lecturer Program: Time-based Circuits for High-Performance ADC, 15 Nov 2019

B.4 Students Activities

- Total number of Student Branches in the Section
  - 10
- Number of Student Branches formed in the current year
  - 0
- Section level student activities (student congress, paper and other contests, awards etc)
  - 2019 IC Design Challenge, 23 Jul 2019
  - Workshop: ROS for mobile robot applications, 14 Jun 2019
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
  - N/A
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
  - N/A

B.5 Affinity Group Activities

- Young Professional (YP)
  - 3rd HRD for IC Design Ecosystem, 20 Jul 2019
  - 2019 IEEE SSCS/CAS/YP Thailand Seminar and Student Poster Presentations, 22 Jul 2019
  - 2019 IC Design Challenge, 23 Jul 2019
  - 3rd HRD for IC Process and Fabrication, 24 Jul 2019
  - 3rd HRD for IC Packaging, 26 Jul 2019
  - YP-CAS Seminar: How to Turn the Chosen Career Path into a Success, 12 Nov 2019
- Women In Engineering (WIE)
  - IEEE WIE Thailand Technical Seminar, 25 Apr. 2019
  - WiCAS (Women in Circuits and Systems) Session at IEEE APCCAS 2019, 12 Nov 2019
- Life Member (LM)
  - LMAG Seminar: Aged Society in Digital Thailand 4.0 Era, 26 Nov 2019

B.6 Awards & Recognition Activities

- Award constituted by the Section
  - N/A
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year
  - N/A

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

- Newsletter (name and number of issues in the year)
  - N//A
- Home Page of the Section (give the URL and how often it is updated)
  - http://www.ieee-thailand.org/ , updated monthly
- Other means of contacts with Section members including social media

- Facebook: https://www.facebook.com/IEEEThailandSection

B.8 Industry Relations

- Membership growth and retention
  - N/A
- Activities for/with industrial members

  - Thai Microelectronics Seminar 2019, 14 Mar 2019

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
  - N/A
- SIGHT Activities

  - N/A

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)"
  - N/A

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
  - N/A
- Funding secured from the IEEE and external sources including sponsorships

  - N/A

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

- Nature of relationship and details of any formal agreement signed
  - Technical Society Agreement with the Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI) Association
- Details of joint activities
  - Conferences
  - Technical Talks
  - Workshops
- Benefit to IEEE members (for example discounts, access to technical information etc.)
  - Discounts for conference registration fee
  - Participation in technical activities
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

  - Attracted more membership
  - Shared facilities/activities

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
  - N/A
- Joint activities with any other Section

  - N/A

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

- Support extended for organising technical, educational and professional activities
  - N/A
- Joint activities for membership development
  - N/A
- 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)
- N/A

C.6 Problems anticipated and suggestions for solutions, if any
- N/A

PART D - GOALS AND PLANS

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

D.2 Goals and Future Plans
- Attracting more members, esp. from industrial sectors, by arranging trendy and inspiring social/technical activities.
- Promoting current members to higher membership levels.

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

D.4 Business Plan for Sustainable Growth and Financial Stability.
- N/A