

# Shikoku Section Report

## **PART A - SECTION SUMMARY**

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

- Section Executive Committee Member List
  - Chair: Kazuto Noguchi (Ehime University)
    - [noguchi.kazuto.mx@ehime-u.ac.jp](mailto:noguchi.kazuto.mx@ehime-u.ac.jp)
  - Vice Chair: Tetsushi Ueta (Tokushima University)
    - [ueta@tokushima-u.ac.jp](mailto:ueta@tokushima-u.ac.jp)
  - Secretary: Hisayasu Kuroda (Ehime University)
    - [kuroda@cs.ehime-u.ac.jp](mailto:kuroda@cs.ehime-u.ac.jp)
  - Treasurer: Toshiyuki Uto (Ehime University)
    - [uto@cs.ehime-u.ac.jp](mailto:uto@cs.ehime-u.ac.jp)
  - Membership Development Chair: Kazunori Ueda (Kochi University of Technology)
    - [ueda.kazunori@kochi-tech.ac.jp](mailto:ueda.kazunori@kochi-tech.ac.jp)
  - Student Activity Chair: Takahiro Enomoto (Tokushima University)
    - [emoto@ee.tokushima-u.ac.jp](mailto:emoto@ee.tokushima-u.ac.jp)
  - Nominations Activities Chair: Yukinobu Hoshino (Kochi University of Technology)
    - [hoshino.yukinobu@kochi-tech.ac.jp](mailto:hoshino.yukinobu@kochi-tech.ac.jp)
  - Professional Activities Chair: Ken'ichi Fujimoto (Kagawa University)
    - [fujimoto@eng.kagawa-u.ac.jp](mailto:fujimoto@eng.kagawa-u.ac.jp)
  - Past Chair: Masanori Hamamura (Kochi University of Technology)
    - [hamamura.masanori@kochi-tech.a.jp](mailto:hamamura.masanori@kochi-tech.a.jp)
- Section Highlights
  - Held 9 technical meetings and 4 lectures for student education including chapter activities
- Major Events (International, National)
  - SJCIEE 2019: Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers (National)
- Major Chapter Activities
- Major Student and Affinity Group Activities
- Awards

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

- Summary (as per submitted on NetSuite)
  - Income 3,244,803 Yen
  - Expense 755,726 Yen
  - Balance 2,488,637 Yen
- Any other financial activities

## **PART B - ORGANIZATIONAL ACTIVITIES**

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

- Total number of active members in the past 3 years.
  - 240 (Sept. 19, 2019)
  - 271 (Sept. 19, 2018)
  - 254 (Mar. 21, 2017)
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
- 
- [Annual General Meetings]
- Sep. 21, 2019, in National Institute of Technology, Niihama College (Attendance: 5, attendance by proxy: 23, totally 28)

- 
- [Administrative Meetings]
- (1) Feb. 14, 2019
  - Section Executive Committee Meeting (in Ehime University, Matsuyama, Attendance: 5)
- (2) May 25, 2019
  - Executive Committee Meeting of SJCIEE 2019 (in National Institute of Technology, Niihama College Attendance: 33)
- (3) Aug 7-15, 2019
  - Executive Committee Meeting of SJCIEE 2019 (by e-mail, Attendance: 33)
- (4) Sep. 21, 2019
  - Section Executive Committee Meeting (in National Institute of Technology, Niihama College, Attendance: 6)
- (5) Sep. 27- Oct. 4
  - 2019, Executive Committee Meeting of SJCIEE 2019 (by e-mail, Attendance: 33)
- (6) Nov 5-8, 2019
  - Section Executive Committee Meeting on TALE 2020 (by e-mail, Attendance: 5)
- (7) Dec 7, 2019
  - Executive Committee Meeting of SJCIEE 2019 (in Takamatsu, Attendance: 17)
- 
- [Technical Meetings]
- (1) Cyber Security Symposium Dogo 2019
  - Date: Mar. 7-8, 2019
  - Place: Ehime University, in Matsuyama
  - Attendance: Members & Guests: 1,200
- (2) 2019 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers
  - Date: Sep. 21, 2019
  - Place: Ehime University, Matsuyama
  - Attendance: Members & Guests: 300 (including IEEE member speakers: 34)

## B.2 Chapter Activities

- Total number of Chapters in the Section
  - 1 (CAS)
  - 1 (EMB Joint Chapter with Fukuoka and Hiroshima Sections)
- Number of Chapters formed in the current year
  - 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
  - 2
- Summary of Chapter activities (Chapter wise with attachment table/information)
  - -7 meetings with CAS sponsorship
  - -7 meetings with CAS co-sponsorship
  - -Technical Meetings
    -
  - 1. Lecture
    - Lecturer: Hiroshi Yamamoto (University of Tokyo)
    - Title: Almost Instantaneous Fixed-to-Variable Length Code
    - Date: Jan. 11, 2019
    - Place: Tokushima University
  - 2. Lecture
    - Lecturer: Susumu Kawaguchi (Cyber Creative Institute)
    - Title: Embedded Software Engineers for IoT business
    - Date: Jan 21, 2019
    - Place: Tokushima University
  - 3. Lecture
    - Lecturer: Toshifumi Takei (Mobile Computing Promotion Consortium)
    - Title: Overview and Limitations of AI technology and Industrial Application
    - Date: Jan 28, 2019
    - Place: Tokushima University
  - 4. IEEE Workshop on Nonlinear Signal Processing (NSP' 19)

- Date: Feb. 4, 2019
  - Place: Flat Takamatsu, in Takamatsu
- 5. IEEE International Symposium on Circuits and Systems (ISCAS'19)
  - Date: May 26-29, 2019
  - Place: Sapporo Convention Center, Hokkaido
- 6. Lecture
  - Lecturer: Urs Frey (CEO, MaxWell Biosystems AG)
  - Title: Next-Generation Electrophysiology Platform for Functional Characterization of iPSC-derived Neuronal Networks
  - Date: June 5, 2019
  - Place: Tokushima University
- 7. Lecture
  - Lecturer: Takao Marugame (Toshiba Research Center)
  - Title: Research & Development, and Prospect of Neuron Circuit and Synapse Device
  - Date: July 5, 2019
  - Place: Tokushima University
- 8. Taiwan and Japan Conference on Circuits and Systems (TJCAS'19)
  - Date: Aug. 19-21, 2019
  - Place: Nikko, Tochigi
- 9. IEICE Technical Conference on Nonlinear Problems
  - Date: Sep. 23-24, 2019
  - Place: University of Kochi, Kochi
- 10. Design Gaia 2019
  - Date: Nov. 13-15, 2019
  - Place: COMS, Matsuyama
- 11. IEEE CASS Shanghai and Shikoku Chapters Joint Workshop on Circuits and Systems (SSJW'19)
  - Date: Nov. 15-16, 2019
  - Place: Shanghai Jiao Tong University, Shanghai, China
- 12. Lecture
  - Lecturer: Chua-Chin Wang (National Sun Yat-sen University, Taiwan)
  - Title: Nano-scale CMOS Mixed-voltage Digital I/O Buffer Design
  - Date: Nov. 21, 2019
  - Place: Tokushima University
- 13. Shikoku Mobile and Autonomous Robot Tournament 2019 (SMART 2019)
  - Date: Dec. 1, 2019
  - Place: National Institute of Technology, Tsuyama College, Okayama
- 14. IEEE Workshop on Nonlinear Circuit Networks (NCN '19)
  - Date: Dec. 13-14, 2019
  - Place: Shikoku University, Tokushima

### **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

[Distinguished Lecture Programs]

1. IEEE Shikoku Section Lecture
  - Lecturer: Yoshihiro Fjita (Fellow, Meiji University)
  - Title: Research and Development of 4k-8k technology
  - Date: Nov. 7, 2019
  - Place: Faculty of Engineering, Ehime University
  - Attendance: Members & Guests: 98

### **B.4 Students Activities**

- Total number of Student Branches in the Section
  - 2 (Kagawa University and Tokushima University)
- Number of Student Branches formed in the current year

- 0
- Section level student activities (student congress, paper and other contests, awards etc)
  - 1. Kagawa University
    - Date: Sep. 4, 2019
    - Lecturer: Nick Fry (Kagawa University)
  - 2. Ehime University
    - Date: Oct. 21, 2019
    - Lecturer: Mark Duane Stafford (Ehime University)
  - 3. Tokushima University
    - Date: Oct. 29, 2019
    - Lecturer: Morton George (Tokushima University)
- 
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
  - 0
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
  - 1. Recruitment of student members
    - Shikoku Section recommended the students who came to the student paper contest at Shikoku section Joint Convention of the Institutes of Electrical and related Engineers (SJCIEE) to be student members.
  - 2. Student paper contest
    - 9 students who did excellent presentation (in Japanese) at SJCIEE were given “Best Presentation Award”. They were selected out of 245 students.
  - 3. Students who did excellent presentation (in English) at SJCIEE were given “Best English Presentation Award”.
    - One students were selected out of 30 students. Further information is available at <http://www.sjciee.org/>
- 

## **B.5 Affinity Group Activities**

- Young Professional (YP)
- Women In Engineering (WIE)
- Life Member (LM)

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

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

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

- Newsletter (name and number of issues in the year)
- Home Page of the Section (give the URL and how often it is updated)
  - <http://www.ieee-jp.org/section/shikoku/>
    - ◇ (updated several times in a year)
  - IEEE CAS Society, Shikoku Chapter:
    - ◇ <http://ieee-scas.is.tokushima-u.ac.jp/>
  - IEEE EMBS Society, West Japan Chapter:
    - ◇ <http://www.ieee-jp.org/section/fukuoka/embwj/>
    - ◇ Kagawa University Student Branch Web site:
      - ◇ [http://www.eng.kagawa-u.ac.jp/~ieee\\_kgw/](http://www.eng.kagawa-u.ac.jp/~ieee_kgw/)
  - Tokushima University Student Branch Web site:
    - ◇ <http://ieee-sb.is.tokushima-u.ac.jp/>
- Other means of contacts with section members
  - ◇ E-mail: [shikoku@ieee.org](mailto:shikoku@ieee.org)
- Other means of contacts with Section members including social media

## **B.8 Industry Relations**

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

## **B.9 Humanitarian Technology Activities**

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

## **B.10 Community Activities**

- IEEE Social activities (Family day, IEEE day, Engineers Week)”

## **PART C - OTHERS**

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

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

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

- Nature of relationship and details of any formal agreement signed
- Details of joint activities
  - A technical convention with IEEJ, IEICE, IPSJ, IEIJ, ITE, SICE, IEIEJ
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)

### **C.3. Collaboration with other IEEE Sections**

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

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

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full 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**

Support extended for organizing technical, educational and professional activities

1. Committee Meetings
  - 6 meetings
  - 3 meetings by e-mail
2. Annual Meetings
  - at Ehime University, Matsuyama
3. Technical Conference/Meetings
  - Technical Convention
  - 2020 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers at Ehime University, Matsuyama
  - Technical Meetings
  - Meetings in cooperation with domestic societies in Japan
4. Membership Development
  - Encouragement of upgrade to senior members
  - Promotion of IEEE student membership
  - Cooperation with CAS Shikoku Chapter and EMB West Japan Chapter
5. Student Activities
  - Promotion of IEEE student membership
  - Encouragement of English presentation
6. Nominations
  - Support to upgrade fellow or senior Member

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

Our goal is to make the dissemination of IEEE Shikoku section using the Internet effectively and support the promotion of student branches activities.

### **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.**