

# Shikoku Section Report

## PART A - SECTION SUMMARY

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

- Section Executive Committee Member List
  - Chair: Masanori Hamamura (Kochi University of Technology)
    - [hamamura.masanori@kochi-tech.a.jp](mailto:hamamura.masanori@kochi-tech.a.jp)
  - Vice Chair: Kazuto Noguchi (Ehime University)
    - [noguchi.kazuto.mx@ehime-u.ac.jp](mailto:noguchi.kazuto.mx@ehime-u.ac.jp)
  - Secretary: Shinichi Yoshida (Kochi University of Technology)
    - [yoshida.shinichi@kochi-tech.ac.jp](mailto:yoshida.shinichi@kochi-tech.ac.jp)
  - Treasurer: Toru Kurihara (Kochi University of Technology)
    - [kurihara.toru@kochi-tech.ac.jp](mailto:kurihara.toru@kochi-tech.ac.jp)
  - Membership Development Chair: Daisuke Sasaki (Tokushima University)
    - [daisuke@eng.kagawa-u.ac.jp](mailto:daisuke@eng.kagawa-u.ac.jp)
  - Student Activity Chair: Hisayasu Kuroda (Ehime University)
    - [kuroda@cs.ehime-u.ac.jp](mailto:kuroda@cs.ehime-u.ac.jp)
  - Nominations Activities Chair: Yoshiro Imai (Kagawa University)
    - [imai@eng.kagawa-u.ac.jp](mailto:imai@eng.kagawa-u.ac.jp)
  - Professional Activities Chair: Kazuhiko Kinoshita (Tokushima University)
    - [kazuhiko@is.tokushima-u.ac.jp](mailto:kazuhiko@is.tokushima-u.ac.jp)
  - Past Chair: Hiroyuki Tarumi (Kagawa University)
    - [tarumi@eng.kagawa-u.ac.jp](mailto:tarumi@eng.kagawa-u.ac.jp)
- Section Highlights
  - Held 9 technical meetings and 3 lectures for student education including chapter activities
    - - Student branches meeting with IEICE at SJCIEE 2018.
- Major Events (International, National)
  - SJCIEE 2018: Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers (National)
- Major Chapter Activities
- Major Student and Affinity Group Activities
- Awards
  - 2018 Outstanding Section Membership Retention Performance

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

- Summary (as per submitted L50)
  - Income 3,274,673 Yen
  - Expense 944,632 Yen
  - Balance 2,330,041 Yen
- Any other financial activities

## PART B - ORGANIZATIONAL ACTIVITIES

### [Annual General Meetings]

Sep. 22, 2018, in Matsuyama

Attendance: 7, (attendance by proxy: 23, totally 30)

### [Administrative Meetings]

(1) Apr. 18, 2018

Section Executive Committee Meeting (by Video meeting, Attendance: 5)

(2) May 19, 2018

Executive Committee Meeting of SJCIEE 2018 (in Ehime University, Matsuyama, Attendance: 10)

(3) Aug 6-16, 2018

Executive Committee Meeting of SJCIEE 2018 (by e-mail, Attendance: 33)

(4) Sep. 22, 2018

Section Executive Committee Meeting (in Ehime University Matsuyama, Attendance: 6)

(5) Sep. 25- Oct. 5, 2019

Executive Committee Meeting of SJCIEE 2018 (by e-mail, Attendance: 33)

(6) Dec 16, 2018

Executive Committee Meeting of SJCIEE 2018 (in Matsuyama, Attendance: 11)

[Technical Meetings]

- (1) 2018 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers  
 Date: Sep. 22, 2018  
 Place: Ehime University, Matsuyama  
 Attendance: Members & Guests: 400 (including IEEE member speakers: 34)
- (2) Cyber Security Symposium Dogo 2018  
 Date: Mar. 1-2, 2018  
 Place: Ehime University, Matsuyama  
 Attendance: Members & Guests: 1,200

## B.1 Membership Development Activities

- Total number of active members in the past 3 years.  
 255 (Jan. 31, 2018)  
 254 (Mar. 21, 2017)  
 267 (Feb. 3, 2016)
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

## 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)  
 -6 meetings with CAS sponsorship  
 -7 meetings with CAS co-sponsorship  
 -Technical Meetings
  1. IEEE Workshop on Nonlinear Signal Processing (NSP' 18)  
 Date: Feb. 5, 2018  
 Place: Sunport Hall Takamatsu, Kagawa
  2. IEEE CASS Guangzhou and Shikoku Chapters Joint Workshop on Circuits and Systems (GSCAS'18)  
 Date: Jun. 26-28, 2018  
 Place: Sun Yat-sen University, South China University of Technology, Guangzhou, China
  3. Taiwan and Japan Conference on Circuits and Systems (TJCAS'18)  
 Date: Aug. 1-3, 2018  
 Place: National Chung Hsing University, Taichung, Taiwan
  4. IEEE CASS Shanghai and Shikoku Chapters Joint Workshop on Circuits and Systems (SSJW'18)  
 Date: Nov. 5-7, 2018  
 Place: Kagawa University, Takamatsu, Kagawa
  5. International Forum on Advanced Technologies (IFAT '19)  
 Date: Mar. 8-9, 2019  
 Place: Tokushima University
  6. IEEE Shikoku Section Lecture  
 Lecturer: Hiroyuki Torikai (Kyoto Sangyo University)  
 Title: Design of Organism Mimic Hardware using Non-linear Circuit Theory  
 Date: Feb. 23, 2018  
 Place: Tokushima University
  7. IEEE Shikoku Section Lecture  
 Lecturer: Shu-ichi Aono (Aichi Medical University)  
 Title: Construction and Utilization of Pain Data Bank System  
 Date: May 10, 2018  
 Place: Tokushima University
  8. Lecture  
 Lecturer: Christopher Diego Cruz Ancona (Center for Research and Advanced Studies of the National Polytechnic Institute, Mexico)

Title: Synchronization in networks of chaotic systems

Date: May 22, 2018

Place: Tokushima University

9. Lecture

Lecturer: Claudia Alejandra Perez Pinacho (Center for Research and Advanced Studies of the National Polytechnic Institute, Mexico)

Title: Fractional Order Chaotic Systems and Synchronization

Date: May 22, 2018

Place: Tokushima University

10. IEEE Shikoku Section Lecture

Lecturer: Yizhen Sang (Okayama University)

Title: Application of Medical Engineering in Kidney Disease

Date: Jul. 26, 2018

Place: Tokushima University

11. IEEE Shikoku Section Lecture

Lecturer: Xiao Wang (Xi'an Jiaotong University, China)

Title: Toward Self-Driving Vehicles: Current Approaches and Challenges

Date: Jul. 26, 2018

Place: Tokushima University

12. IEEE Shikoku Section Lecture

Lecturer: Mamoru Tanaka (Sophia University)

Title: Music Transcription System of Ensemble

Date: Dec. 6, 2018

Place: Tokushima University

13. IEEE Workshop on Nonlinear Circuit Networks (NCN' 18)

Date: Dec. 7-8, 2018

Place: Shikoku University, Tokushima

### B.3 Professional and Continuing Education Activities

[Technical Meetings]

1. IEEE Shikoku Section Lecture

Lecturer: Noboru Nakamichi (Fukuyama University)

Title: Innovation provided by UX-design and Story

Date: May 30, 2018

Place: Kochi University of Technology, Kami, Kochi

Attendance: Members & Guests: 22

2. IEEE Shikoku Section Lecture

Lecturer: Hideki Asai (Shizuoka University)

Title: Acceleration Technologies for SI/PL/WMI Simulation and Exploitation to the Automotive Design

Date: Nov. 6, 2018

Place: Kagawa University, Takamatsu

Attendance: 20

### 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) English presentation brush-up seminars
- 1. Ehime University  
Date: Oct. 29, 2018  
Lecturer: Mark Duane Stafford (Ehime University)
- 2. Kochi University of Technology  
Date: Sep. 19, 2018  
Lecturer: Masahiro Nagasaki (Kochi University of Technology)
- 3. Kagawa University  
Date: Sep. 11, 2018  
Lecturer: Nick Fry (Kagawa 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 240 students.
  3. Students who did excellent presentation (in English) at SJCIEE were given “Best English Presentation Award”. Two students were selected out of 30 students. Further information is available at <http://www.sjciece.org/>

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

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

## **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 R10 and IEEE HQ during the year 2018
  - 2018 Outstanding Section Membership Retention Performance

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

- 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: [ieee-shikoku@kochi-tech.ac.jp](mailto:ieee-shikoku@kochi-tech.ac.jp)

## **PART C - OTHERS**

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

- Details of joint activities  
A technical convention with IEEJ, IEICE, IPSJ, IEIJ, ITE, SICE, IEIEJ  
Co-sponsorship for Student branch exchange meetings with IEICE  
2 IEEE student branches and 3 IEICE student branches

## **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
  - 2 meetings by e-mail
2. Annual Meetings
  - at National Institute of Technology, Niihama College in Sep. 21, 2019
3. Technical Conference/Meetings
  - Technical Convention
    - 2019 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers at National Institute of Technology, Niihama College in Sep. 21, 2019
  - 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
  - Student branches meeting with IEICE
  - 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.