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
  - Vice Chair: Kazuto Noguchi (Ehime University)
    - noguchi.kazuto.mx@ehime-u.ac.jp
  - Secretary: Shinichi Yoshida (Kochi University of Technology)
    - yoshida.shinichi@kochi-tech.ac.jp
  - Treasurer: Toru Kurihara (Kochi University of Technology)
    - kurihara.toru@kochi-tech.ac.jp
  - Membership Development Chair: Daisuke Sasaki (Tokushima University)
    - daisuke@eng.kagawa-u.ac.jp
  - Student Activity Chair: Hisayasu Kuroda (Ehime University)
    - kuroda@cs.ehime-u.ac.jp
  - Nominations Activities Chair: Yoshiro Imai (Kagawa University)
    - imai@eng.kagawa-u.ac.jp
  - Professional Activities Chair: Kazuhiko Kinoshita (Tokushima University)
    - kazuhiko@is.tokushima-u.ac.jp
  - Past Chair: Hiroyuki Tarumi (Kagawa University)
    - 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 2 40 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.sjcieee.org/](http://www.sjcieee.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
  o 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)
  (updated several times in a year)

  IEEE CAS Society, Shikoku Chapter:
  [http://ieeescas.is.tokushima-u.ac.jp/](http://ieeescas.is.tokushima-u.ac.jp/)

  IEEE EMBS Society, West Japan Chapter:

  Kagawa University Student Branch Web site:

  Tokushima University Student Branch Web site:
  [http://ieeesb.is.tokushima-u.ac.jp/](http://ieeesb.is.tokushima-u.ac.jp/)

  Other means of contacts with section members
  E-mail: 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.