

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
 - Vice Chair: Tetsushi Ueta (Tokushima University)
 - ueta@tokushima-u.ac.jp
 - Secretary: Hisayasu Kuroda (Ehime University)
 - kuroda@cs.ehime-u.ac.jp
 - Treasurer: Toshiyuki Uto (Ehime University)
 - uto@cs.ehime-u.ac.jp
 - Membership Development Chair: Kazunori Ueda (Kochi University of Technology)
 - ueda.kazunori@kochi-tech.ac.jp
 - Student Activity Chair: Takahiro Enomoto (Tokushima University)
 - emoto@ee.tokushima-u.ac.jp
 - Nominations Activities Chair: Yukinobu Hoshino (Kochi University of Technology)
 - hoshino.yukinobu@kochi-tech.ac.jp
 - Professional Activities Chair: Ken'ichi Fujimoto (Kagawa University)
 - fujimoto@eng.kagawa-u.ac.jp
 - Past Chair: Masanori Hamamura (Kochi University of Technology)
 - hamamura.masanori@kochi-tech.a.jp
- Section Highlights
 - Held 9 technical meetings and 3 lectures for student education including chapter activities
- Major Events (International, National)
 - SJCIEE 2020: Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers (National, online)
- Major Chapter Activities
 - TALE 2020: International Conference on Engineering Technology and Education (International, online)
- Major Student and Affinity Group Activities
- Awards

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

- Summary (as per submitted on NetSuite)
 - Income 3,573,080 Yen
 - Expense 571,341 Yen
 - Balance 3,001,739 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. 26, 2020)
 - 240 (Sept. 19, 2019)
 - 271 (Sept. 19, 2018)
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
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- [Annual General Meetings]

- Sep. 26, 2020, Online (Attendance: 5, attendance by proxy: 23, totally 28)
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- [Administrative Meetings]
- (1) June 3, 2020
 - Executive Committee Meeting of SJCIEE 2020 (in Ehime University, Attendance: 16)
- (2) July, 2020
 - Executive Committee Meeting (by e-mail)
- (3) July, 2020
 - Executive Committee Meeting of SJCIEE 2021 (by e-mail)
- (4) Aug. 6, 2020
 - Executive Committee Meeting of SJCIEE 2020 (by e-mail)
- (5) Sep. 26, 2019
 - Section Executive Committee Meeting (Online)
- (6) Dec 7, 2020
 - Executive Committee Meeting of SJCIEE 2020 (Online, Attendance: 12)
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- [Technical Meetings]
- (1) Cyber Security Symposium Dogo 2020
 - Date: Sept. 17-18, 2020
 - Place: Online
 - Attendance: Members & Guests: 1,200
- (2) 2020 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers
 - Papers are published on the web.
- (3) TALE 2020: International Conference on Engineering Technology and Education
 - Date: Dec. 8-11, 2020
 - Place: Online

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)
 - -16 meetings with CAS sponsorship
 - -1 meetings with CAS co-sponsorship
 - -Technical Meetings
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 - 1. IEEE Workshop on Nonlinear Signal Processing (NSP' 20)
 - Date: Feb. 10, 2020
 - Place: IKODE KAWARAMACHI (Meeting Room B-6, D-4, and D-5, Kawaramachi FLAG 8F)
 - 2. IEEE CASS Shikoku Chapter Webinar for Student Members
 - Lecturer: Kenta Ago (Murata Manufacturing) and Kazuki Ueta (FANUC Corporation)
 - Title: Things to do when you are student
 - Date: May 19, 2020
 - Place: Online
 - 3. Online Lecture (Special Lectures during Covid-19 Period)
 - Lecturer: Atsushi Takahashi (Tokyo Institute of Technology)
 - Title: Integrated Circuit and Design Automation, Normal Synchronize method
 - Date: June 1, 2020
 - Place: Online
 - 4. Online Lecture (Special Lectures during Covid-19 Period)
 - Lecturer: Yoko Uwate (Tokushima University)
 - Title: Theoretical Analysis of Generation Stop Phenomena Observed in Polygon Generator Network

- Date: June 1, 2020
 - Place: Online
- 5. Online Lecture (Special Lectures during Covid-19 Period)
 - Lecturer: Hiroo Sekiya (Chiba University)
 - Title: Introduction of Laboratories
 - Date: June 1, 2020
 - Place: Online
- 6. Online Lecture (Special Lectures during Covid-19 Period)
 - Lecturer: Yoko Uwate (Tokushima University)
 - Title: Studying Abroad – Switzerland Version
 - Date: June 1, 2020
 - Place: Online
- 7. Online Lecture (Special Lectures during Covid-19 Period)
 - Lecturer: Yoshifumi Nishio (Tokushima University)
 - Title: Analysis and Application of Non-linear system from 2016 STEM lecture in Tokushima University
 - Date: June 1, 2020
 - Place: Online
- 8. Online Lecture (Special Lectures during Covid-19 Period)
 - Lecturer: Yasuteru Hosokawa (Shikoku University)
 - Title: Basics of AI
 - Date: June 1, 2020
 - Place: Online
- 9. Online Lecture (CASS Technical Committee Promotion)
 - Lecturer: Takashi Hisakado (Kyoto University)
 - Title: Nonlinear Circuits and Systems (NCAS) TC
 - Date: Nov. 1, 2020
 - Place: Online
- 10. Online Lecture (CASS Technical Committee Promotion)
 - Lecturer: Hiroo Sekiya (Chiba University)
 - Title: Power and Energy Circuits and Systems (PECAS) TC
 - Date: Nov. 1, 2020
 - Place: Online
- 11. Online Lecture (CASS Technical Committee Promotion)
 - Lecturer: Yoko Uwate (Tokushima University)
 - Title: Neural Systems and Applications (NSA) TC
 - Date: Nov. 1, 2020
 - Place: Online
- 12. Taiwan and Japan Conference on Circuits and Systems (TJCAS '20)
 - Date: Nov. 7, 2020
 - Place: Online
- 13. IEEE CASS Shikoku Chapter YP and Student Member Meeting
 - Date: Nov 20, 2020
 - Place: Shikoku University and Online
- 14. IEEE CASS Shanghai and Shikoku Chapters Joint Workshop on Circuits and Systems (SSJW '20)
 - Date: Nov 24, 2020
 - Place: Online
- 15. IEEE Workshop on Nonlinear Circuit Networks (NCN '20)
 - Date: Dec. 4-5, 2020
 - Place: Shikoku University and Online
- 16. 1st Edition of the CASS Shikoku WiCAS Workshop Series with the CAS Chapters in Other Countries
 - Date: Dec. 25, 2020
 - Place: Online
- 17. International Conference on Engineering, Technology and Education (TALE'20)
 - Date: Dec. 8 - 11, 2020
 - Place: Online
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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 Fujita (Fellow, Meiji University)
Title: Research and Development of 4k-8k technology
Date: Nov. 5, 2020
Place: Online

2. IEEE Shikoku Section Lecture
Lecturer: Rika Mochizuki (NTT Service Evolution Laboratories)
Title: Research of Color and Active Modeling of Human – Work – Life Balance of Research and Development
Date: Nov. 27, 2020
Place: Online

3. IEEE Shikoku Section Lecture
Lecturer: Yukihiro Nomura (The University of Tokyo Hospital)
Title: Application of AI and Deep Learning for Diagnostic Imaging of Radiological Image
Date: Dec. 4, 2020
Place: Online
Attendance: Members & Guests: 30

4. IEEE Shikoku Section Lecture
Lecturer: Kazushi Okamoto (The University of Electro Communications)
Title: Data Science for Service and Research of Accountable AI
Date: Dec. 15, 2020
Place: Online

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: Sept. 14, 2020
 - Lecturer: Nick Fry (Kagawa University)
 - Place: Online
 - 2. Kochi University of Technology
 - Date: Sept. 16, 2020
 - Lecturer: Mashiro Nagasaki (Kochi University of Technology)
 - 3. Ehime University
 - Date: Sept. 25, 2020
 - Lecturer: Kei-ichi Endo (Ehime University)
 - Place: Online
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- 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.

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B.5 Affinity Group Activities

- Young Professional (YP)
- Women In Engineering (WIE)
 - 1. Establishment of the IEEE Shikoku, Fukuoka, and Hiroshima Joint Section Women in Engineering Affinity Group
 - Date: Aug. 26, 2020
 - 2. Startup Event
 - Lecturer: Toshio Fukuda (IEEE President) et al.
 - Date: Nov. 21, 2020
 - Place: Online
- 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/
 - 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
- 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.)

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section
 - 1. Establishment of the IEEE Shikoku, Fukuoka, and Hiroshima Joint Section Women in Engineering Affinity Group
 - Date: Aug. 26, 2020
 - 2. Startup Event
 - Lecturer: Toshio Fukuda (IEEE President) et al.
 - Date: Nov. 21, 2020
 - Place: Online
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C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organizing 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
- 2. Annual Meetings
 - at Kagawa University, Takamatsu
- 3. Technical Conference/Meetings
 - Technical Convention
 - 2021 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers at Kagawa University, Takamatsu
 - 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.