

2013 IEEE Shikoku Section Report

PART A - SECTION SUMMARY

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

- Section Executive Committee Member List
 - Chair: Shinsuke Konaka (The University of Tokushima)
konaka@ee.tokushima-u.ac.jp
 - Vice chair: Hiroyuki Tarumi (Kagawa University)
tarumi@ee.tokushima-u.ac.jp
 - Secretary: Masatake Akutagawa (The University of Tokushima)
makutaga@ee.tokushima-u.ac.jp
 - Treasurer: Takahiro Emoto (The University of Tokushima)
emoto@ee.tokushima-u.ac.jp
 - Membership Development Chair: Hiroshi Kai (Ehime University)
kai@cs.ehime-u.ac.jp
 - Student Activities Chair: Hiroyuki Sawada (Kagawa University)
sawada@eng.kagawa-u.ac.jp
 - Nominations Activities Chair: Makoto Iwata (Kochi University of Technology)
iwata.makoto@kochi-tech.ac.jp
 - Professional Activities Chair: Yukinobu Hoshino (Kochi University of Technology)
hoshino.yukinobu@kochi-tech.ac.jp
 - Past Chair: Shinji Tsuzuki (Ehime University)
tsuzuki@ee.ehime-u.ac.jp
- Section Highlights
 - Held 19 technical meetings, 5 lectures for student education, 1 workshop (including chapter activities)
 - Student English presentation competition at a technical convention SJCIEE
 - Supported activities of student branches of Kagawa University and Tokushima University and IEEE Shikoku Section Kochi Student Group
 - Student branches meeting with IEICE at SJCIEE

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

- Summary (as per submitted L50)

Income	2,498,474 Yen
Expense	858,289 Yen
Balance	1,640,185 Yen

PART B - ORGANIZATIONAL ACTIVITIES

[Annual General Meetings]

Sep. 21, 2013, in Tokushima
Attendance: 9, (attendance by proxy: 25)

[Administrative Meetings]

- (1) Jan. 30, 2013
Section Executive Committee Meeting (in Tokushima, Attendance: 6)
- (2) Mar. 10, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)
- (3) Apr. 12, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)
- (4) May 1, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)
- (5) May 30, 2013
Executive Committee Meeting of SJCIEE (in Tokushima, Attendance: Member: 3, Guests: 15)
- (6) Jun. 30, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)

- (7) Jul. 1, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)
- (8) Jul. 25, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)
- (9) Aug. 19, 2013
Executive Committee Meeting of SJCIEE (in Tokushima, Attendance: Member: 3, Guests: 15)
- (10) Sep. 21, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)
- (11) Oct. 26, 2013
Section Executive Committee Meeting (by e-mail, Attendance: 9)
- (12) Dec. 18, 2013
Executive Committee Meeting of SJCIEE (in Tokushima, Attendance: Member: 3, Guests: 15)

[Technical Meetings]

- (1) 2013 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers
Date: Sep. 21, 2013
Attendance: Members: 42, Guests: 493

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
281 (Feb. 18, 2014)
302 (Dec 31, 2012)
279 (Jan. 19, 2012)

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
 - 2
- Summary of Chapter activities chapter wise with attachment table / information
 - 5 meetings with CAS sponsorship
 - 10 meetings with CAS co-sponsorship
- Administrative Meetings
 - (1) Aug. 28, 2013
Chapter Executive Committee Meeting (in Tokushima, Attendance: 8)
 - (2) Dec. 28, 2013
Chapter Executive Committee Meeting (in Tokushima, Attendance: 9)
- Technical Meetings
 - (1) IEICE Shikoku Section Lecture
Lecturer: Lecturer: Rosa H.M. Chan (City University of Hong Kong)
Title: Neural Prosthesis; Present and Future
Date: Jul. 2, 2013
Attendance: Members: 12, Guests: 75
 - (2) IEICE Technical Workshop on MBE
Date: Jul. 19, 2013
Attendance: Members: 11, Guests: 72
 - (3) IEICE Shikoku Section Lecture
Lecturer: Xiuqin Wei (Fukuoka University, Japan)
Title: Analysis of Class-E EER Transmitter Considering the Parasitic Effects of MOSFET
Date: Jul. 27, 2013
Attendance: Members: 17, Guests: 3
 - (4) IEICE Shikoku Section Lecture
Lecturer: Hiroo Sekiya (Chiba University, Japan)
Title: Basics of Amplifiers for Communication Systems
Date: Jul. 27, 2013
Attendance: Members: 17, Guests: 3
 - (5) IEICE Shikoku Section Lecture
Lecturer: Donald Y.C. Lie (Texas Tech University, USA)

- Title: Power-Efficient RF/Analog ICs and System Design for Wireless and Biomedical Applications
 Date: Aug. 1, 2013
 Attendance: Members: 23, Guests: 7
- (6) IEEE CASS Shikoku Chapter GOLD and Student Member Meeting
 Date: Oct. 27, 2013
 Attendance: Members: 39, Guests: 5
- (7) IEICE Technical Workshop on NLP
 Date: Oct. 28, 2013
 Attendance: Members: 60, Guests: 43
- (8) IEICE Shikoku Section Lecture
 Lecturer: Mandalika Bala Srinivas (Birla Institute of Technology and Science, India).
 Title: Design of Low-Power, Reconfigurable ADCs.
 Date: Nov. 6, 2013
 Attendance: Members: 23, Guests: 7
- (9) IEICE Shikoku Section Lecture
 Lecturer: Kwok Wo Wong (Hong Kong City University).
 Title: Error Correction in Arithmetic Coding.
 Date: Nov. 8, 2013
 Attendance: Members: 23 Guests: 4
- (10) IEEE CASS Shanghai and Shikoku Chapters Joint Workshop on Nonlinear Circuits and Systems (SSJW2013)
 Date: Nov. 24, 2013
 Attendance: Members: 12 Guests: 8
- (11) IEEE Workshop on Nonlinear Signal Processing (NSP'13)
 Date: Nov. 30, 2013
 Attendance: Members: 25 Guests: 9
- (12) IEEE Circuits and Systems Society DLP Lecture
 Lecturer: Geza Kolumban (Pazmany Peter Catholic University, Hungary)
 Title: Software Defined Electronics: A new research field for CAS Society
 Date: Dec. 4, 2013
 Attendance: Members: 30 Guests: 5
- (13) IEICE Shikoku Section Lecture
 Lecturer: Tadashi Tsubone (Nagaoka University of Technology, Japan).
 Title: Theory and Future of Piecewise-Constant Dynamical Systems.
 Date: Dec. 12, 2013
 Attendance: Members: 29 Guests: 6
- (14) IEEE Workshop on Nonlinear Circuit Networks (NCN'13)
 Date: Dec. 13, 2013
 Attendance: Members: 38 Guests: 30
- (15) IEICE Shikoku Section Lecture
 Lecturer: Mamoru Tanaka (Sophia University, Japan).
 Title: Sound Creation from Chaotic Circuits.
 Date: Dec. 13, 2013
 Attendance: Members: 33 Guests: 25

B.3 Professional and Continuing Education Activities

[Technical Meetings]

- (1) Information Security Symposium in Dogo 2013
 Date: Feb. 28 - Mar. 1, 2013
 Attendance: Members: 10, Guests: 290
- (2) IEEE Shikoku Section Professional Activity Workshop
 Title: The 9th Potluck and Workshop
 Date: Nov. 10, 2013
 Attendance: Members: 12 Guests: 39
- (3) IEEE Shikoku Section Lecture
 Title: From the first generation Prius to the Lexus IS hybrid --- Development of hybrid vehicles, basic control and failsafe of the hybrid systems
 Speaker: Takehisa Yaegashi Date: Nov. 29, 2013
 Attendance: Members: 6 Guests: 20

B.4 Students Activities

- Total number of Student branches in the Section
 - 2 (Kagawa University and The University of Tokushima)
- Number of Student branches formed in the current year
 - 0
- Section level student activities (student congress, paper and other contests, awards etc)
 - Formed a student group in Kochi (IEEE Shikoku Section Kochi Student Group)
 - Total number of students: 12 students
 - (8 students in Kochi University of Technology, 4 students in Kochi University)
 - English presentation brush-up seminar
 - (1) Kochi University of Technology
 - a. Brush up writing seminar I
 - Date: Jun. 16, 2013
 - Lecturer: Paul Daniels (Kochi University of Technology)
 - Attendance: Members: 3, Guest: 11
 - b. Brush up oral seminar I
 - Date: Sep. 11, 2013
 - Lecturer: Masahiro Nagasaki (Kochi University of Technology)
 - Attendance: Members: 3, Guest: 1
 - c. Brush up oral seminar II
 - Date: Sep. 18, 2013
 - Lecturer: Masahiro Nagasaki (Kochi University of Technology)
 - Attendance: Members: 2, Guests: 2
 - (2) Ehime University
 - Date: Nov. 27, 2013
 - Lecturer: Heffernan Neil (Ehime University)
 - Attendance: Members: 2, Guests: 18
 - (3) The University of Tokushima
 - Date: Nov. 28, 2013
 - Lecturer: Steve Toshihisa Fukuda (The University of Tokushima)
 - Attendance: Member: 0, Guests: 2
- Recruitment of student members

Shikoku Section recommended the students who entered the student paper contest at Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers (SJCIEE) to be student members.
- Student paper contest

11 students who did excellent presentation (in Japanese) at SJCIEE were given “Best Presentation Award”. They were selected out of 331 students.
 1 IEEE student who did excellent presentation (in English) at SJCIEE was given “Best English Presentation Award”. They were selected out of 331 students.
 Further information is available at <http://www.sjciee.org/>

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

- Home Page of the section (give the URL and frequency which it is updated)

Section Home Page:
<http://www.ieee-jp.org/section/shikoku/>
 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: ieee.shikoku@gemini.ee.tokushima-u.ac.jp

PART C - OTHERS

C.1 Relationship with National Societies

- Co-sponsorship for Technical meetings
 - Technical meetings (2)-(8), (10), (14)-(16) with IEICE
 - A technical convention with IEEJ, IEICE, IPSJ, IEIJ, ITE, SICE, IEIEJ
- Co-sponsorship for Student branch exchange meetings with IEICE
 - 2 IEEE student branches, 1 Shikoku Section Student Group and 3 IEICE student branches

PART D - GOALS AND PLANS

D.1 Continuation of Project/Activity in Progress and Their Implementation Plans

- Committee Meetings
 - 4 meeting in June, August, September and December
 - 8 meetings by email
- Annual Meetings
 - Took place in September
- Technical Conference/Meetings
 - Technical Convention
2013 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers in September 21, 2013 at The University of Tokushima
 - Technical Meetings
Meetings in cooperation with national societies
- Membership Development
 - Encouragement of upgrade to senior members
 - Promotion of IEEE student membership
 - Cooperation with CAS Shikoku Chapter and EMB West Japan Chapter
- Student Activities
 - Promotion of IEEE student membership
 - Student branches meeting with IEICE
 - Encouragement of English presentation
- Nominations
 - Support to upgrade fellow or senior Member
- Professional Activities
 - IEEE Shikoku Section Professional Activity Workshop
Title: The 9th Potluck and Workshop
Date: Nov. 10, 2013
Attendance: Members: 12 Guests: 39

D.2 Goals and Future Plans

- Our goal is making the dissemination of IEEE Shikoku section using the Internet effectively and supporting the promotion of student branches activities.