**2011 IEEE Shikoku Section Activity Report**

**PART A - SECTION SUMMARY**

**A.1 Executive Summary**

* Section Executive Committee Member List  
  Chair: Tsuzuki Shinji (Ehime University)  
   tsuzuki@ee.ehime-u.ac.jp  
  Vice chair: Shinsuke Konaka (University of Tokushima)  
   konaka@ee.tokushima-u.ac.jp  
  Secretary: Hiroshi Kai (Ehime University)  
   kai@cs.ehime-u.ac.jp  
  Treasurer: Takashi Sasaki (Ehime University)  
   sasaki@cite.ehime-u.ac.jp  
  Membership Development Chair: Kiminori Matsuzaki (Kochi University of Technology)  
   matsuzaki.kiminori@kochi-tech.ac.jp  
  Student Activities Chair: Masatake Kawada (University of Tokushima)  
   kawada@ee.tokushima-u.ac.jp  
  Nominations Activities Chair: Hidenori Ishihara (Kagawa University)   
   ishihara@eng.kagawa-u.ac.jp  
  Professional Activities Chair: Mitsuharu Ishii (Kagawa University)  
   kishii@eng.kagawa-u.ac.jp  
  Past Chair: Katsushi Iwashita (Kochi University of Technology)  
   iwashita.katsushi@kochi-tech.ac.jp
* Section Highlights  
  - Held 20 technical meetings and 4 lectures for student educations  
  - Students English presentation competition at a technical meeting  
  - Supported activities of student branches at Kagawa University and Tokushima University

**A.2 Financial Report**

* Summary  
  Income 2,628,926 Yen  
  Expense 1,177,574 Yen  
  Balance 1,451,352 Yen

**PART B - ORGANIZATIONAL ACTIVITIES**

**B.1 Membership Development Programs**

* Total number of active members in the past 3 years  
  279 (Jan. 19, 2012)   
  258 (Feb. 14, 2011)  
  280 (Jan. 15, 2010)

**B.2 Chapter Activities**

* Total number of Chapters in the Section (Jan. 31, 2012)
  + 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
  + 5 meetings with CAS sponsorship
  + 12 meetings with CAS co-sponsorship

**B.3 Professional and Continuing Education Activities**

**[Technical Meetings]**

(1)Jan. 20-21, 2011

Title: IEICE Technical Workshop on Network Systems

Attendance: Members: 13, Guests: 49

(2)Mar. 3-4, 2011

Title: Dynamic Image Processing for Real Application Workshop 2011

Attendance: Members: 55, Guests: 330

(3)Mar. 4, 2011

Title: IEICE Technical Workshop on Educational Technology

Attendance: Members: 8, Guests: 103

(4)May 26-27, 2011

Title: IEICE Technical Workshop on Nonlinear Problems

Attendance: Members: 31, Guests: 28

(5)Jul. 8-9, 2011

Title: IEICE Technical Workshop on ME and Bio Cybernetics

Attendance: Members: 5, Guests: 62

(6)Jul. 21-22, 2011

Title: IEEE Workshop on Nonlinear Signal Processing (NSP'11)

Attendance: Members: 58, Guests: 8

(7)Sep.9, 2011

Title: IEEE Circuits and Systems Society DLP Lecture

Lecturer: Chi (Michael) K. Tse

Title: Applications of Complex Networks Research: From Science, Engineering, Art to Finance

Attendance: Members: 3, Guests: 16

(8)Sep. 19-22, 2011

Title: International Conference on Biometrics and Kansei Engineering (ICBAKE’11)

Attendance: Members: 20, Guests: 45

(9)Sep. 20-21, 2011

Title: ITE-ME, IEE-CMN, IEICE-EMM, IE, LOIS

Attendance: Members: 16, Guests: 100

(10)Oct. 7-9, 2011

Title: 2nd Asian Conference on Engineering Education (ACEE2011)

Attendance: Members: N/A, Guests: 207

(11)Oct.7, 2011

Title: IPSJ The Special Interest Group on Internet and Operation Technology (SIG-IOT)

Attendance: Members: 20, Guests: 40

(12)Oct. 8, 2011

Title: IEICE Shikoku Section Lecture

Lecturer: Toshimichi Saito

Title: Optimization algorithm based on swarm and nonlinear systems

Attendance: Members: 20, Guests: 15

(13)Oct. 29, 2011

Title: IEEE CASS Shikoku Chapter GOLD and Student Member Meeting

Attendance: Members: 33, Guests: 0

(14)Oct. 30, 2011

Title: Shikoku Mobile and Autonomous Robot Tournament 2011

Attendance: Members: 5, Guests: 100

(15)Nov.6, 2011

Title: 5th Potluck and Workshop

Lecture: Yukari Terada

Title: Learn from the process

Attendance: Members: 10, Guests: 40

(16)Nov. 21, 2011

Title: IEEE CASS Shanghai and Shikoku Chapters Joint Workshop on Nonlinear Circuits and Systems (SSJW’11)

Attendance: Members: 19, Guests: 20

(17)Dec. 8, 2011

Title: IEICE Shikoku Section Lecture

Lecturer: Hiroaki Kurokawa

Title: Pulse coupled neural network and its application to image processing

Attendance: Members: 25, Guests: 16

(18)Dec. 8, 2011

Title: IEICE Shikoku Section Lecture

Lecturer: Hisato Fujisaka

Title: Pulse shape nonlinear function circuit based on log domain arithmetic

Attendance: Members: 22, Guests: 16

(19)Dec. 9-10. 2011

Title: IEEE Workshop on Nonlinear Circuit Networks (NCN'11)

Attendance: Members: 47, Guests: 28

(20)Dec.12, 2011

Title: IEICE Shikoku Section Lecture

Lecturer: Kenya Jin'no

Title: On particle swarm optimization

Attendance: Members: 5, Guests: 65

**[Lecture for Students]**

(1)Sep. 2, 2011

English Brush-Up Seminar

Speaker: Gancho Vachkov

Attendance: Members: 13, Guests: 9

(2)Sep. 14, 2011

English Brash-Up Seminar

Speaker: Paul Daniels

Attendance: Members: 6, Guests: 6

(3)Sep. 17, 2011

English Brash-Up Seminar

Speaker: Walter Carpenter

Attendance: Members: 1, Guests: 3

(4)Sep. 20, 2011

English Brush-Up Seminar

Speaker: Neil Heffernan

Attendance: Members: 4, Guests: 12

**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. One branch is preparing in Kochi Prefecture.
* Section level student activities  
  - 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 to be student members.   
  - Student paper contest  
   10 students who did excellent presentation (in Japanese) at Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers 2011 were given “Best Presentation Award”. They were selected out of 310 students.  
   4 IEEE students who did excellent presentation (in English) at Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers 2011 were given “Best English Presentation Award”. They were selected out of 310 students.  
   4 students (3 IEEE students) who did outstanding presentation in English at Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers 2011 were given “Outstanding English Presentation Award”. They were selected out of 45 students.  
    
  Further information is available at  
  http://www.ieee-jp.org/section/shikoku/JointConventionAward/index.html

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

* Home Page of the section  
  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: info-ieeeshikoku@hpc.cs.ehime-u.ac.jp

**B.8 Community Activities**

Summary of Section Activities

[Administrative Meetings]

(1) Jan. 30, 2011

Shikoku Section Executive Committee Meeting Attendance: 10

(2) Feb. 17, 2011

Shikoku Section Executive Committee Meeting Attendance: 9

(3) Mar. 15, 2011

Shikoku Section Executive Committee Meeting Attendance: 9

(4) Apr. 22, 2011

Shikoku Section Executive Committee Meeting Attendance: 9

(5) May 27, 2011

Shikoku Section Executive Committee Meeting Attendance: 9

(6) Jun. 10, 2011

Shikoku Section Executive Committee Meeting Attendance: 9

(7) Jul. 1, 2011

Shikoku Section Executive Committee Meeting Attendance: 9

(8) Sep. 23, 2011

Shikoku Section Executive Committee Meeting Attendance: 6

(9) Sep. 23, 2011

Shikoku Section Annual Meeting Attendance: 10

**PART C - OTHERS**

**C.1 Relationship with National Societies**

- Co-sponsorship for Technical meeting

Technical meetings (1), (3), (4), (5), (9), (12), (17), (18) and (20) with IEICE

A technical conference with IEEJ, IEICE, IPSJ, IEIJ, ITE, SICE, IEIEJ

**PART D – GOALS AND PLANS**

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

(1) Committee Meeting

- Annual meeting in September

- Meetings by emails

(2) General Meeting

- Took places with the annual committee meeting.

(3) Technical Conference/Meeting

- Technical Conference

2011 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers in September 23, 2011 at Anan National College of Technology

- Technical Meeting

about 9 meetings in cooperation with national societies

Standing Committees Activities

(1) Membership Development

- Encouragement of upgrade to senior members

- Promotion of IEEE student membership

- Cooperation with CAS Shikoku Chapter and EMB West Japan Chapter

(2) Student Activities

- Promotion of IEEE student membership

- Student branches meetings with IEICE

- Participation in IEEE Student Branch Leadership Training Workshop (Nov.11-12,

Kumamoto University) from Kagawa University and Tokushima University

- Encouragement of English presentation

(3) Nominations

- Support to upgrade fellow or senior Member

(4) Professional Activities

- IEEE Shikoku Section Professional Activity Intensive Seminar

(a) Dec.2, 2011

Title1: Advancement of digital broadcasting

Speaker1: Yoshihiro Fujita

Attendance: Members: 2, Guests: 60

(b) Dec.16,2011

Title2: Founders formed the basis of wireless communication, from telegraph networks

to next generation mobile communications

Speaker2: Tsuneyo Izuoka

Attendance: Members: 1, Guests: 59

**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 brunches activities.