

2006 IEEE Shikoku Section Activity Report

PART A - SECTION SUMMARY

A.1 Executive Summary

- Held ten technical meetings.
- English discussion course as a student branch activity.
- English presentation competition at the technical meeting.
- Interactive Meeting with International internship foreign students.
- Providing the streaming videos of the technical meetings and the international conference.

A.2 Financial Report

Income	2,603,660 Yen
Expense	1,644,799 Yen
Balance	958,861 Yen

A.3 List of Section Officer and Executive Committee Members

Chair: Shigeaki Ogose (Kagawa University)

ogose@ieee.org

Vice chair: Katsushi Iwashita (Kochi University of Technology)

iwashita.katsushi@kochi-tech.ac.jp

Secretary: Hiroyuki Tarumi (Kagawa University)

tarumi@eng.kagawa-u.ac.jp

Treasurer: Hideyuki Sawada (Kagawa University)

sawada@eng.kagawa-u.ac.jp

Membership Development Chair: Yoshifumi Nishio (University of Tokushima)

nishio@ee.tokushima-u.ac.jp

Student Activities Chair: Tetsushi Ueda (University of Tokushima)

tetsushi@is.tokushima-u.ac.jp

Nominations Activities Chair: Hiroshi Kai (Ehime University)

kai@cs.ehime-u.ac.jp

Professional Activities Chair: Kazuo Ono (Ehime University)

onokazuo@dpc.ehime-u.ac.jp

Past Chair: Yoneo Yano (University of Tokushima)

yano@is.tokushima-u.ac.jp

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Programs

Number of Members: 246 (Dec. 2006) [[+43](#) from Dec. 2005]

B.2 Professional and Continuing Education Activities

[Technical Meetings]

(1) August 2, 2006

Attendance:

IEEE Members: 11

Guests: 60

Title: Distance Education Using Internet

Speaker: Prof. Reiji Aibara (Hiroshima University)

(2) August 10, 2006

Attendance:

IEEE Members: 8

Guests: 12

Title: Surrogate method and Modeling

Speaker: Dr. Tomomichi Nakamura (Hong Kong Polytechnic University)

(3) September 26, 2006

Ehime University

Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers,

Number of papers presented: 344 papers/ 47 sessions (48 papers/6 sessions were in English session; the number of English papers was increased by 18 compared to 2004)

(4) October 27, 2006

Attendance:

IEEE Members: 23

Guests 12

Title: Data Mining by Cellular Neural Networks

Speaker: Dr. Mamoru Tanaka

Title: Applications of Hysteresis Neural Networks

Speaker: Dr. Kenya Jinno

(5) November 28, 2006

Attendance:

IEEE Members: 10

Guests: 76

Title: Mechanism Approach That Unifies AI, and AI with AE

Speaker: Prof. Yixin Zhong (Beijing University of Posts & Telecommunications)

(6) December 9, 2006

Attendance:

IEEE Members: 30

Guests: 22

Title: Numerical Method for Circuit Analysis Using Haar Wavelet Transform

Speaker: Dr. Seiichiro Moro

Title: Digital Spiking Neuron and its Learning Potential

Speaker: Dr. Hiroyuki Torikai

(7) January 17, 2007

Attendance:

IEEE Members: 12

Guests: 35

Title: Self-Organizing Map Considering False Neighboring Neuron and its Applications

Speaker: Dr. Haruna Matsushita

Title: A Study on Electrically Control of Parameters of Cantilever with Laminated Piezoelectric Plates

Speaker: Dr. Tatsuya Tomita

(8) January 18, 2007

Attendance:

IEEE Members: 11

Guests: 32

Title: Research on Coupled System of Noisy van der Pol Oscillators

Speaker: Dr. Ryo Imabayashi

Title: Image Extraction Systems based on Cellular Automata

Speaker: Kyouhei Sato

(9) January 29, 2007

Attendance:

IEEE Members: 7

Guests: 38

Title: Web Systems for Conference/Organization Management

Speaker: Dr. Satoshi Taoka

Title: Efficient Problem Solving for Combinatorial Optimization Using FPGAs

Speaker: Dr. Shinichi Wakabayashi

(10) January 30, 2007

Attendance:

IEEE Members: 9

Guests: 12

Title: Experiment based Evaluation of Algorithm Performance for the 2 or 3 Vertex Connectivity Augmentation

Speaker: Dr. Hiroharu Sumiyoshi

Title: Improvement of Track Layout of Bipartite Graph Subdivisions

Speaker: Dr. Miki Miyauchi

[Lecture for Students]

(1) March 11, 2006

Attendance:

IEEE Members: 0

Guests: 14

Title: Network Science: Networking is the value spring on 21st century

Speaker: Prof. Noriyuki Kamibayashi (Tokyo University of Technology)

(2) September 9-10, 2006

Attendance:

IEEE Members: 5

Guests: 7

Title: English Presentation Seminar in Tokushima

Speaker: Dr. Mioko Teshigawara (University of Tokushima)

(3) September 16, 2006

Attendance:

IEEE Members: 6

Guests: 7

Title: English Presentation Seminar in Kagawa

Speaker: Prof. Hiroshi Kai (Ehime University)

(4) November 25, 2006

Attendance:

IEEE Members: 5

Guests: 70

Title: Shikoku Mobile and Autonomous Robot Tournament 2006

B.3 Students Activities

● Active Student Branches activity

- In February 2006, students in the Shikoku Section Student Branch had academic discussion with a native English speaker. They discussed their researches actively in English.
- A member of Kagawa University Student Branch attended the 3rd R10 Student Congress in Beijing, July 14-17, 2006

● Recruitment of student members

Shikoku Section recommended the students who presented their papers at Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers to be student members.

● Student paper contest

Five students who did excellent presentation in English at Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers 2006 were given IEEE Presentation Award (Shikoku Section). They were elected out of 32 students.

- Shintaro Arai (University of Tokushima)
- Gan Li Hui (University of Tokushima)
- Mitsuhiro Nakamura (Kagawa University)
- Shigenori Takata (Kagawa University)
- Wan Khairunizam Wan Ahmad (Kagawa University)

Further information is available at

<http://mandolin.is.tokushima-u.ac.jp/ieee-shikoku/modules/news/article.php?storyid=33>

B.4 E-mail and Newsletter Activities, Home Page

Section Web site:

<http://www.ieeeshikoku.eng.kagawa-u.ac.jp/>

Kagawa University Student Branch Web site:

http://www.eng.kagawa-u.ac.jp/~ieee_kgw/

The web page of IEEE CAS Society, Shikoku Chapter is under construction.

<http://mandolin.is.tokushima-u.ac.jp/ieee-shikoku/>
Streaming videos of lecture on presentation skill bluish-up is delivering on demand from the Shikoku Section Web site.
<http://mandolin.is.tokushima-u.ac.jp/ieee-shikoku/modules/news/index.php?storytopic=2>

B.5 Chapter Activities

- Establishment of WIE Shikoku Section and WIE Shikoku Student Section are under consideration. A lecture meeting by WIE is planned in 2007.
Director: Mayumi Matsunaga (Ehime University)
- EMBS West Japan Chapter is under construction in IEEE Fukuoka/Hiroshima/Shikoku Sections

PART C - GOALS AND PLANS

C.1 Goals

Our goal is making the dissemination of IEEE Shikoku section using Internet.
We are providing streaming videos of the technical meetings for the goal.

C.2 Implementation Plans

- (1) Committee Meeting
 - Annual meeting in September.
 - meetings by e-mail
- (2) General Meeting
 - take place with the annual committee meeting.
- (3) Technical Conference/Meeting
 - a) Technical Conference
 - 2007 Shikoku-section Joint Convention of the Institutes of Electrical and related Engineers in September, 2007 (Hold English Sessions).
 - Support 2007 International Workshop on Nonlinear Dynamics of Electronic Systems (NDES 2007).
<http://ndes07.is.tokushima-u.ac.jp/main.html>
 - b) Technical Meeting
 - about 6 meetings in cooperation with national societies

1-2 Standing Committees Activities

- (1) Membership Development
 - Promote IEEE activities at the technical meetings or conference.
- (2) Student Activities
 - English discussion meetings
 - Interaction with International internship foreign students
 - Encourage English presentation at IEE2007.
 - Promote to be an IEEE student member.
- (3) Nominations
 - Support to upgrade fellows or senior Members
 - Provide information for the nominations at the web page.
- (4) Professional Activities
 - Hold the professional activities

PART D - OTHERS

D.1 Relationship with National Societies

- Holding the Shikoku Branch conference in Takamatsu city, Kagawa Prefecture, Japan, which was cooperated with Shikoku branches of the National Academic Societies, for example, IEE, IEICE, JPSJ, etc.
- Co-sponsorship for Technical meetings
 - Technical Meeting (1): Co-sponsored with IEICE, IPSJ
 - Technical Meeting (2): Co-sponsored with IPSJ
- Participation to IEEE Hiroshima Section Student Symposium (HISS)