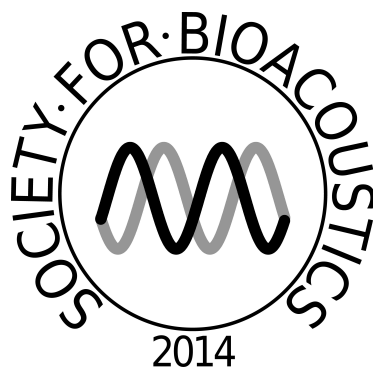


Program

The 2nd Annual Meeting of the Society for Bioacoustics
Ohashi Campus, Kyushu University
Fukuoka, Japan
12–13 December 2015

Cosponsored by
the Organizing Committee of the 2nd Annual Meeting of the Society for Bioacoustics,
Faculty of Design, Kyushu University,
Research Center for Applied Perceptual Science (ReCAPS), Kyushu University,
Physiological Anthropology Research Center, Kyushu University,
the Kyushu Chapter of the Acoustical Society of Japan,
and the Research Committee of Bioacoustics, the Acoustical Society of Japan

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The Society for Bioacoustics

Contents

1	Committee Members	1
1.1	The Organizing Committee	1
1.2	The Programming Committee	1
2	Cosponsors	1
3	Supporter	2
4	Meeting Announcement	2
4.1	Registration	2
4.2	Presentations	2
4.3	Banquet	2
4.4	Summary of Payment	3
4.5	Awards	3
5	Transportation and Travel Directions	3
5.1	From JR Hakata Station to Ohashi	3
5.2	From Fukuoka Airport to Ohashi	3
5.3	From Fukuoka Airport to JR Hakata Station or Tenjin by subway	3
5.4	From Tenjin to Ohashi by the Nishitetsu Omuta Line	4
6	Accommodations	4
7	Wireless Internet Connections	4
8	Weather	4
9	Map around and within the Campus	5
10	Schedule	5
10.1	Saturday, 12 December 2015	5
10.2	Sunday, 13 December 2015	6
11	Program	6
11.1	Saturday, 12 December 2015	6
11.2	Sunday, 13 December 2015	9
12	List of Supporting Members	11

The 2nd Annual Meeting of the Society for Bioacoustics will be held in Ohashi Campus, Kyushu University (4-9-1 Shiobaru, Minami-ku, Fukuoka, Japan) on **Saturday and Sunday, 12–13 December 2015**.

1 Committee Members

1.1 The Organizing Committee

Chair	Kazuo UEDA	Department of Human Science, Unit of Perceptual Psychology/Research Center for Applied Perceptual Science, Kyushu University
Accountant	Wen-Jie SONG	Department of Sensory and Cognitive Physiology, Faculty of Life Sciences, Kumamoto University
Member	Chihiro HIRAMATSU	Department of Human Science, Unit of Physiological Anthropology/Physiological Anthropology Research Center, Kyushu University
Secretariat	Yumiko WATANABE	The Society for Bioacoustics

1.2 The Programming Committee

Chair	Ikuo MATSUO	Department of Information Science, Tohoku Gakuin University
Member	Hiroshi RIQUIMAROUX	Shandong University-Virginia Tech International Laboratory, Shandong University; Department of Neuroscience, Brown University; National Institute of Sensory Organs, National Hospital Organization Tokyo Medical Center
Member	Takuma TAKANASHI	Department of Forest Entomology, Forestry and Forest Products Research Institute (FFPRI)

2 Cosponsors

We express our gratitude for the valuable cooperation and assistance given by our cosponsors.

- Faculty of Design, Kyushu University
- Research Center for Applied Perceptual Science (ReCAPS), Faculty of Design, Kyushu University
- Physiological Anthropology Research Center, Faculty of Design, Kyushu University
- The Kyushu Chapter of the Acoustical Society of Japan
- The Research Committee of Bioacoustics, the Acoustical Society of Japan

3 Supporter

This conference is supported by Asakura Publishing Co., Ltd.

4 Meeting Announcement

Dates and time: Saturday through Sunday, 12–13 December 2015. The first session will begin at 13:30 on 12 December 2015. The Meeting will be closed at 17:00 on 13 December 2015.

Venue: Ohashi Campus, Kyushu University (4-9-1 Shiobaru, Minami-ku, Fukuoka 815-8540, Japan).

Language: All presentations and discussions are delivered in English.

Presentations: Most of the contributed papers will be presented as posters. Oral presentations are given by invited senior researchers and a couple of selected junior researchers.

Banquet: The banquet will be held on Saturday, 12 December 2015, from 19:00 to 21:00, at Nagon, a Japanese restaurant which is close to Ohashi Campus.

Awards: Presentation awards are granted to excellent presentations. The award ceremony will be held in the afternoon of Sunday, 13 December 2015.

4.1 Registration

Registration is required for all attendees. Registration will open on 12 December 2015 at 12:00 in or around room 511, on the first floor of the fifth building. Attendees who have pre-registered may pick up their badges and registration materials at the pre-registration desk.

4.2 Presentations

Lectures will be given in room 511, on the first floor of the fifth building. Bring your own computer and an appropriate connecting adaptor/cable if necessary, when you are allotted to lecture presentations. Only a video projector with VGA connections, a screen, and loudspeakers will be prepared by the organizer.

Posters will be presented in the Experimental Hall on the first floor of the Multi-Purpose Building (Multidimensional Hall). Poster boards and fastening materials will be provided. The space for each poster is going to be 180 cm wide and 210 cm tall.

4.3 Banquet

The banquet will be held on Saturday, 12 December 2015, from 19:00 to 21:00, at Nagon (2-3-6 Mukaino, Minami-ku, Fukuoka; Tel. +81 92 541-5155), which is a Japanese restaurant within a 10-minute walk from Ohashi Campus. The banquet fees are 6,000 yen for an employed person and 3,000 yen for a student. Pre-registration is required for reserving a seat.

4.4 Summary of Payment

Item	Employed person	Student
Member registration	8,000 yen	4,000 yen
Non-member registration	15,000 yen	7,000 yen
Banquet	6,000 yen	3,000 yen

4.5 Awards

Presentation awards are granted to excellent presentations. Both oral and poster presentations are examined. You have to be a student member or a regular member who got a PhD degree within three years in order to apply for Awards. You have to indicate that you would like to apply for Awards when you submit your presentation. The award ceremony will be held in the afternoon of Sunday, 13 December 2015.

5 Transportation and Travel Directions

Ohashi is easily accessible from JR Hakata Station, Fukuoka Airport, and Nishitetsu Ohashi Station. The closest one among those is Nishitetsu Ohashi Station, and it takes only 5 minutes on foot from the Station to the Campus.

5.1 From JR Hakata Station to Ohashi

JR Hakata Station is one of the major railway stations in Kyushu, providing direct connections between Kagoshima, Kumamoto, Hiroshima, Osaka, Kyoto, Nagoya, and Tokyo with Shinkansen, naming just a few. By taxi, it takes about 10 minutes and costs about 1,500 yen from JR Hakata Station to the Campus. It takes about 20-30 minutes and costs 250 yen from JR Hakata Station to Nishitetsu Ohashi Station by Nishitetsu Bus. Alternatively, you may take Fukuoka City Subway and the Nishitetsu Omuta line via Tenjin (see 5.3 and 5.4). It takes about 25 minutes and costs 410 yen.

5.2 From Fukuoka Airport to Ohashi

It takes about 20 minutes from Fukuoka Airport to Ohashi Campus by taxi, and it costs about 2,500 yen. Alternatively, you may take Fukuoka City Subway and the Nishitetsu Omuta Line. It takes about 30 minutes and costs 470 yen (see 5.3 and 5.4). The subway terminal, Fukuoka Airport, is connected to the Domestic Terminals of the Airport. The Domestic Terminals and the International Terminal are connected with a free bus service, which takes about 10 minutes.

5.3 From Fukuoka Airport to JR Hakata Station or Tenjin by subway

The Domestic Terminals of Fukuoka Airport and JR Hakata Station are connected by Fukuoka City Subway with just a 5- or 6-minute ride (260 yen). It takes about 12 minutes and costs 260 yen from Fukuoka Airport to Tenjin. It takes about 6 minutes and costs 200 yen from JR Hakata Station to Tenjin.

When you go back from Tenjin to Hakata or Fukuoka Airport, you have to be careful to choose a train going to the Airport, not to choose a train to Kaizuka, which leaves from the

same platform.

5.4 From Tenjin to Ohashi by the Nishitetsu Omuta Line

The subway Tenjin station and the Nishitetsu Fukuoka (Tenjin) terminal are connected with the Tenjin underground shopping mall. It takes about 7 minutes on foot. You have to take an Express (Kyuko) or a Local (Futsu) train from Nishitetsu Fukuoka (Tenjin) to Ohashi. It takes about 4 to 7 minutes and costs 210 yen. Please be careful that a Limited Express (Tokkyu) train and a Straight (Chokko) train do not stop at Ohashi.

6 Accommodations

You have a wide range of choices in selecting hotels in Tenjin, Yakuin, and Hakata areas: Takakura Hotel Fukuoka (2-7-21 Watanabe-dori, Chuo-ku, Fukuoka 810-0004, Japan; Tel. +81 92 731 1661), ANA Crowne Plaza Fukuoka (3-3-3 Hakata Ekimae, Hakata-ku, Fukuoka 812-0001, Japan; Tel. +81 92 471 7111), and Nishitetsu Inn Tenjin (4-7-1 Watanabe-dori, Chuo-ku, Fukuoka 810-0004, Japan; Tel. +81 92 713 5454), to name just a few.

The closest hotel to Ohashi Campus is Green Rich Hotel Nishitetsu Ohashi Ekimae (1-7-15 Ohashi, Minami-ku, Fukuoka 815-0033, Japan; Tel. +81 92 552 4400), which is next to Ohashi Station. The hotel staff, however, speaks only Japanese.

7 Wireless Internet Connections

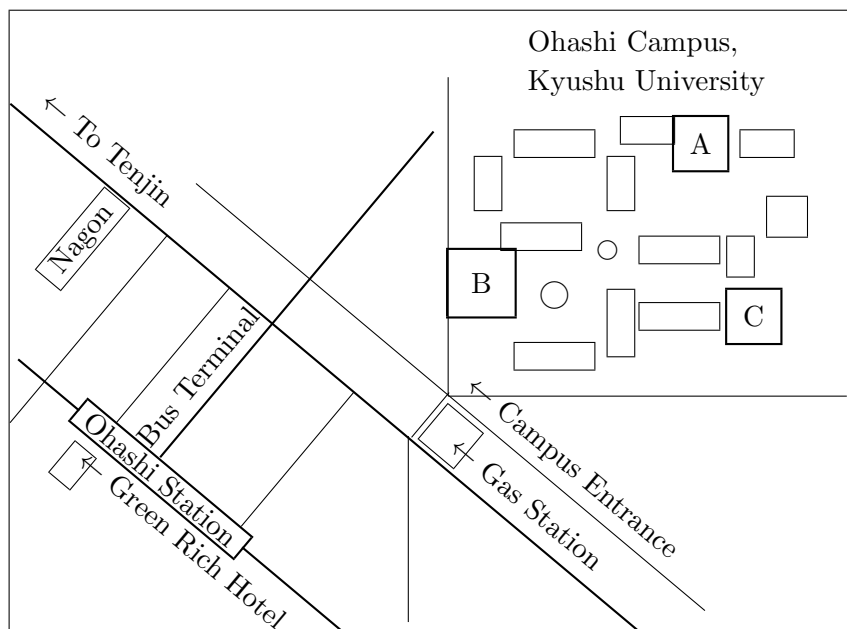
Wireless Internet connections will be provided in the rooms of Ohashi Campus.

8 Weather

The average precipitation over 30 years in Fukuoka in this season is about 2 mm, which means that it rains not very often. The average temperature is around 9 degrees Celsius, with the average maximum around 13 degrees, and the average minimum around 6 degrees. Probably you need a coat and a sweater.

9 Map around and within the Campus

The address of Ohashi Campus, Kyushu University is 4-9-1 Shiobaru, Minami-ku, Fukuoka 815-8540, Japan.



(A) 511, 5th Building, (B) Multidimensional Hall, and (C) 3rd Building.
 “Nagon” is the Japanese restaurant where the banquet is held.

10 Schedule

All technical sessions and ceremonies except poster sessions take place in 511 on the first floor of the fifth building, Ohashi Campus, Kyushu University (A in the map). In the following, the alphabets in the parentheses denote the corresponding positions in the map.

10.1 Saturday, 12 December 2015

- 10:00-12:00** Executive Meeting in 601, the 3rd Building (C)
- 12:00** Starting Registration around the Entrance of 511 (A)
- 13:30-13:40** Opening Remarks (A)
- 13:40-14:40** Oral Session 1 (A)
- 14:40-15:00** Taking Group Pictures
- 15:00-18:00** Poster Session and Exhibitions in Multidimensional Hall (B)
- 19:00-21:00** Banquet at Nagon

10.2 Sunday, 13 December 2015

- 08:30-10:20** Poster Session and Exhibitions Continued in Multidimensional Hall (B)
10:20-10:40 Break
10:40-11:40 Oral Session 2 (A)
11:40-13:00 Lunch Break
13:00-14:00 General Assembly and Award Ceremony (A)
14:00-14:30 Board of Trustees in 521 on the 2nd Floor of the 5th Building (A)
14:30-15:10 Oral Session 3 (A)
15:10-15:20 Break
15:20-16:20 Oral Session 4 (A)
16:20-16:50 General Discussion (A)
16:50-17:00 Closing Remarks (A)

11 Program

All technical sessions and ceremonies except poster sessions take place in 511 on the first floor of the fifth building, Ohashi Campus, Kyushu University (A in the map).

11.1 Saturday, 12 December 2015

12:00 Starting registration around the entrance of 511 on the first floor of the fifth building (A in the map)

13:30-13:40 Opening remarks

Kazuo Ueda, Chair of the Organizing Committee

*Department of Human Science/Research Center for Applied Perceptual Science (ReCAPS),
Kyushu University*

13:40-14:40 Oral Session 1

Daniel Margoliash, Chair

Department of Organismal Biology and Anatomy, University of Chicago

13:40-14:00 Echolocation variations of insectivorous bats in Taiwan

*Cheng-Han Chou and Hsi-Chi Cheng

14:00-14:20 Estimation of the lag time in the echolocation task of captive Commerson's dolphins

*Yayoi Yoshida, Tadamichi Morisaka, Mai Sakai, Ikuo Wakabayashi, Atsushi Seko, Masahiko Kasamatsu, Tomonari Akamatsu, and Shiro Kohshima

14:20-14:40 A cross-species analysis of primate vocalization

*Tsuyoshi Sugino, Yoshitaka Nakajima, Yuko Yamashita, and Chihiro Hiramatsu

14:40-15:00 Taking Group Pictures

15:00-18:00 Poster Session and Exhibitions

Poster Session and Exhibitions take place in Multidimensional Hall (B in the map).

- P1 An inexpensive, open, scalable, versatile array recording system for bio-acoustic applications in air**
*John Hallam, Tórrur Andreassen, Søren Vissing Jørgensen, and Leon Bonde Larsen
- P2 GPS tracking of large-scale navigation behavior by bats, *Rhinolophus ferrumequinum nippon*, combined with elaborate acoustic measurement using microphone array for small-scale navigation**
*Emyo Fujioka, Koki Yoshimura, Kazuya Motoi, Dai Fukui, and Shizuko Hiryu
- P3 Collision avoidance behavior of flying echolocating bats within a group of conspecifics**
*Yuya Yamamoto, Takara Miyamoto, Yasufumi Yamada, Kohta I. Kobayasi, and Shizuko Hiryu
- P4 Comparative echolocation system between CF-FM and FM bats**
*Chun-Jen Hsiao, Ching-Lung Lin, Sheue-Er Wang, Philip H.-S. Jen, and Chung-Hsin Wu
- P5 Chronic imidacloprid toxicity impairs bioacoustics system in echolocation bats**
*Ching-Lung Lin, Sheue-Er Wang, Chun-Jen Hsiao, and Chung-Hsin Wu
- P6 Vocal repertoire of the bush dog (*Speothos venaticus*) in captivity**
*Norihiro Kobayashi and Hideki Sugiura
- P7 Mothers promote object exploration in infant degus**
Tomoko Uekita
- P8 Does tap dance contribute to producing louder sounds?: The relationship between dance performance and sound amplitude in the courtship display of a socially monogamous songbird**
*Nao Ota, Manfred Gahr, and Masayo Soma
- P9 Skin pattern of squid stimulated by voice**
*Ruki Sho and Hiroshi Ito
- P10 A behavioral investigation into monkey's auditory short-term memory using monkey vocalizations**
*He Chen and Yuji Naya
- P11 Auditory streaming in Mongolian gerbil**
*Takashi Noguchi, Ayako Nakayama, Shizuko Hiryu, and Kohta I. Kobayasi
- P12 Audiovisual integration in Mongolian gerbil**
*Ryo Sato, Yuta Tamai, Takashi Noguchi, Shizuko Hiryu, and Kohta I. Kobayasi
- P13 Simulation of distortion-product optoacoustic emissions (DPOAEs) using finite-element model of human cochlea**
*Takuji Koike, Hideyuki Mochizuki, and Sinyoung Lee

- P14 Vibration analysis of standing trees using finite element models for insect pest control**
*Yuncong Ma and Takuji Koike
- P15 Intelligibility of locally time-reversed speech in four different languages**
*Kazuo Ueda, Yoshitaka Nakajima, Shunsuke Tamura, Akihiko Shichida, Wolfgang Ellermeier, Florian Kattner, Stephan Daebler, and Ngar Nie Neo
- P16 Characterization of a group of neurons with specific location in layer 2 of mouse temporal cortex**
*Huan Luo, Kayoko Hasegawa, and Wen-Jie Song
- P17 Regulation of membrane KCNQ1/KCNE1 channel density by sphingomyelin synthase 1**
*Meikui Wu, Makoto Takemoto, Makoto Taniguchi, Toru Takumi, Toshiro Okazaki, and Wen-Jie Song
- P18 A binaural compensatory mechanism in the auditory system: enhanced cortical response to a sound to the ipsilateral ear in a stream of binaural sounds**
*Masataka Nishimura and Wen-Jie Song
- P19 Influence of visual and somatosensory stimuli on auditory responses in the belt areas of the guinea-pig auditory cortex**
*Masaomi Mito, Shunji Sugimoto, and Junsei Horikawa
- P20 Noise reduction from EEG using denoising autoencoder**
*Kota Nakazawa, Junsei Horikawa, Shunji Sugimoto, Tsuneo Nitta, and Kouichi Katsurada
- P21 EEG during Japanese vowel recall task**
*Kohei Asahara, Shunji Sugimoto, Kouichi Katsurada, Tsuneo Nitta, and Junsei Horikawa
- P22 Syllable recognition from EEG based on higher-order subspace method**
*Takumaru Kanzaki, Tetsunori Kobayashi, Shunji Sugimoto, Kouichi Katsurada, Junsei Horikawa, and Tsuneo Nitta
- P23 Study on baleen whale localization with a single ocean bottom seismometer off Sanriku in northeast Japan**
Ryoichi Iwase
- P24 Estimation of fish behaviour using stereo sound recording system**
Masanori Ito, *Ikuo Matsuo, Tomohito Imaizumi, and Tomonari Akamatsu
- E1 Bio Research Center Co., Ltd.**
- E2 *Kame no Otonahi: A Japanese sacred composition featuring the acoustics of shochu fermentation***
Social Art Lab, Kyushu University

19:00-21:00 Banquet

The Banquet is held in a Japanese restaurant, Nagon (tel. +81 92 541 5155).

11.2 Sunday, 13 December 2015

08:30-10:20 Poster Session and Exhibitions Continued

In Multidimensional Hall (B in the map).

10:20-10:40 Break

10:40-11:40 Oral Session 2

In 511, on the first floor of the fifth building (A in the map).

Hiroshi Riquimaroux, Chair

Shandong University-Virginia Tech International Laboratory, Shandong University, Department of Neuroscience, Brown University, and National Institute of Sensory Organs, National Hospital Organization Tokyo Medical Center

10:40-11:10 A robotic reproduction of the biosonar dynamics in horseshoe bats

*Rolf Müller, Philip Caspers, and Yanqing Fu

11:10-11:40 Vocal learning, population coding, and intrinsic excitation

*Daniel Margoliash and Arij Daou

11:40-13:00 Lunch Break

The whole activities in the afternoon take place in 511 on the first floor of the fifth building (A in the map), except the Board of Trustees, which is held in 521 on the second floor of the fifth building.

13:00-14:00 General Assembly and Award Ceremony

14:00-14:30 Board of Trustees

14:30-15:10 Oral Session 3

Wen-Jie Song, Chair

Department of Sensory and Cognitive Physiology, and Program for Leading Graduate Schools HIGO Program, Kumamoto University

14:30-14:50 Distractor effect of auditory rhythms on self-paced tapping in chimpanzees and humans

*Yuko Hattori, Masaki Tomonaga, and Tetsuro Matsuzawa

14:50-15:10 Development of the vocal-auditory systems for social communication in a teleost fish

*Raquel O. Vasconcelos, Paulo J. Fonseca, M. Clara P. Amorim, and Joseph A. Sisneros

15:10-15:20 Break

15:20-16:20 Oral Session 4

Kimitaka Kaga, Chair

National Institute of Sensory Organs, National Hospital Organization Tokyo Medical Center

15:20-15:50 Moth hearing and sound communication: A tribute to Annemarie Surlykke

*Takuma Takanashi and Ryo Nakano

15:50-16:20 Hearing assessment with otoacoustic emissions applied to experimental animal

*Tatsuhiko Harada, Masato Fujioka, Sho Kanzaki, and Kaoru Ogawa

16:20-16:50 General Discussion

Junsei Horikawa, Chair

Computer Science and Engineering, Toyohashi University of Technology

16:50-17:00 Closing Remarks

Hiroshi Riquimaroux, President of the Society for Bioacoustics

Shandong University-Virginia Tech International Laboratory, Shandong University, Department of Neuroscience, Brown University, and National Institute of Sensory Organs, National Hospital Organization Tokyo Medical Center

12 List of Supporting Members

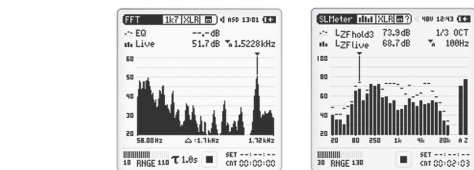
The Society for Bioacoustics is grateful for the financial aid given by the supporting members listed below.

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The links to the English Websites of some of those companies are found at the Webpage of the Society, <http://bacoust.org/?page_id=27&lang=en>. The Society invites further applications for supporting membership. The applications should be sent to the Secretariat of the Society through the Webpage <http://bacoust.org/?page_id=13&lang=en>. The articles of the Society are downloadable at <http://bacoust.org/?page_id=77&lang=en>.

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