

Second Circular

**The 8th International Workshop on the Oceanography and  
Fisheries Sciences of the East China Sea  
(2011 ECS Workshop, Okinawa)**  
*including Call for Papers*

**Dates:** November 24-25, 2011

**Venue:** Okinawa Jichikaikan, Okinawa Prefectural Office

116-37 Asahibashi, Naha City, Okinawa, 900-0029, Japan

**Language:** The official language of the workshop is English

**Homepage:**

[http://web.me.com/miseryukyu/MISE%40University\\_of\\_the\\_Ryukyus/2011\\_ECS\\_Top.html](http://web.me.com/miseryukyu/MISE%40University_of_the_Ryukyus/2011_ECS_Top.html)

**REGISTRATION**

Potential presenters are requested to register in advance by October 21, 2011, using the registration form available for download from the homepage (2011ECSWRegForm.doc) or by e-mail from the secretariat. This form is also attached to the end of this circular. If you should have any inquiries concerning submissions, please contact the Secretariat (ecsw2011@gmail.com).

**REGISTRATION DEADLINES**

Initial abstract submission (registration deadline)      October 21, 2011

Extended abstract submission      November 25, 2011

Initial abstracts will be distributed to all the participants at the time of the Workshop. Extended abstracts will be sent to participants after the Workshop by email in pdf format.

***Abstract Submission***

**All presenters (both oral and poster presentations)** must submit an abstract, together with a registration form, to the Secretariat by e-mail (ecsw2011@gmail.com). Submission by fax will not be accepted. \*Please note that as a result of session arrangement by the program committee, your paper may not be assigned for the Poster/Oral session as according to your request. Abstracts will appear in a Program to be distributed during the Workshop.

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### ***Format***

Prepare an abstract of A4 size paper (one page) in MSWord format. The abstract should contain title of the presentation, names of author(s), affiliation, e-mail address of the presenter, the abstract text and three to five keywords. All abstracts should be made following the attached example at the end of this circular (font type, size, etc). No pictures or graphs should be included in the abstract. This template is also available for download from the homepage (2011ECSWAbstractEx.doc).

The abstract file name must consist of the presenter's name, underscore (\_) and either orl (for oral presentation) or pst (for poster). Please make sure to include the proper extension in your file name ".pdf". Example: Takemura\_orl.doc (oral), Takemura\_pst.doc (poster).

### ***Extended Abstract Submission and Format***

All corresponding or presenting authors of oral presentations must submit one extended abstract for each presentation. All extended abstracts must be submitted to the Secretariat by e-mail (ecsw2011@gmail.com).

Prepare an extended abstract of A4 size paper (4-5 pages) in MS Word (not PDF) format. The extended abstract should contain title of the presentation, names of authors, the abstract text and three keywords. All extended abstracts should be made following the same template/style as the initial abstract, which you can find on the homepage.

### **INSTRUCTIONS FOR ORAL SESSION PRESENTERS**

The official language of the Workshop is English, and all presentations are to be in English. The allotted time for each presentation is 15 minutes including time for questions and discussion. Speakers are requested to bring a USB memory stick containing your presentation file. Both Windows and Macintosh machines will be available for your presentation. If you bring your own notebook computer, please note that Japan operates on 100 volts for electrical appliances, with a cycle of 60 Hz in Okinawa. The plug type in Japan is A with two flat blades. Presentation file names must be follow the format of family name and affiliation (e.g. Takemura\_Ryukyu).

## INSTRUCTIONS FOR POSTER SESSION PRESENTERS

**Poster Board:** Each poster presentation must be no bigger than 90 cm wide and 180 cm high.

**Poster display:** The title of the poster, all letters, graphs and charts should be prepared beforehand in a size that is easy to see. Pushpins to put up the posters will be supplied by the Secretariat at the venue. Set-up and removal times of posters are tentatively as follows:

**Set-up:** November 24 (Thu.) 8:30-10:00 Display: November 24 (Thu.) 10:00-17:00 November 25 (Fri) 9:00-11:00

**Removal:** November 25 (Fri.) 11:00-12:00. All posters remaining after 13:00 will be removed and disposed of by the Secretariat.

**Core time:** All poster presentations are assigned a core time (13:00-14:00) on November 24. During this time you are expected to be present by your poster to answer questions.

## PROGRAM (Preliminary)

### 24 November (Thursday)

08:30-09:00 Registration

09:00-09:30 **Opening Ceremony** (Main Hall)

**Opening Remarks:** 9:00-9:10

*Prof. Makoto Yamazato, Dean of Science, University of the Ryukyus*

**Welcome Address:** 9:10-9:20

*Prof. Teruo Iwamasa, President, University of the Ryukyus*

**Commemorative Photograph:** 9:20-9:30

10:00-10:35 **Keynote Lecture #1** (Main Hall)

*TBA, Nagasaki University*

10:40-11:15 **Keynote Lecture #2** (Main Hall)

*TBA, Jeju University*

11:20-11:55 **Keynote Lecture #3** (Main Hall)

*TBA, Shanghai University*

11:55-13:00 Lunch

13:00-14:00 **Poster session core time**

14:00-15:30 **Session #1: Impact of Climate Change on the East China Sea**

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Chairs: *Dr. Atsushi Ishimatsu (Nagasaki University)*  
*Dr. Haruko Kurihara (University of the Ryukyus)*

14:00-15:30      **Session #2: Ocean Science in the East China Sea**  
Chair: *Prof. Yukiharu Hisaki (University of the Ryukyus)*

15:30-15:40      Coffee Break

15:40-17:30      **Session #3: Fisheries Biology in the East China Sea**  
Chairs: *Dr. Katsunori Tachihara (University of the Ryukyus)*  
*Prof. Akihiro Takemura (University of the Ryukyus)*

15:40-17:30      **Session #4: Calcification of Marine Organisms and Global Environmental Change**  
Chairs: *Dr. Kazuhiko Fujita (University of the Ryukyus)*  
*Dr. Hiroyuki Fujimura (University of the Ryukyus)*

### **25 November (Friday)**

09:00-10:30      **Student Session #1: A New Horizon in East China Sea Research**  
Chairs: *TBA (Nagasaki University)*

10:30-12:00      **Topic Session #1: Education and the East China Sea: Potential for a Double Degree Program**  
Chair: *Prof. Makoto Tsuchiya (University of the Ryukyus)*

12:00-19:00      **Excursion** (please see details below)

### **CALL FOR PAPERS**

Participants interested in making a presentation on their recent research are cordially invited to submit a paper according to the following instructions. Papers will be presented in either oral or poster sessions. Full papers will be submitted to the Journal of Oceanography, and subject to review to compose a special issue. Proceedings will be sent to all participants.

### **PROCEEDINGS DEADLINES**

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Expression of intent to submit (with Registration)	October 21, 2011
Extended abstract submission	November 25, 2011
Full paper manuscript submission (for Proceedings)	November 25, 2011

## INSTRUCTIONS FOR AUTHORS

### Proceedings Information

The local committee of the 2011 ECS Workshop has arranged to submit selected papers to the Journal of Oceanography. The *Journal of Oceanography* (JO) is an ISI journal with the impact factor of 1.188 (2009), edited by the Oceanographic Society of Japan. Its scope encompasses a wide range of issues relating to the oceans. The local committee wishes to publish five to ten papers in JO to make a special section for the Workshop. Those who wish to submit their manuscripts to JO are requested to state their interest at the time of initial abstract submission (by October 21, 2011).

**Submission:** Interested authors are encouraged to contact the Secretariat for submission. In order to process manuscripts according to publication schedule of the special section, the local committee will set several deadlines (review deadlines, etc., to be announced later).

**Format:** Please refer to the journal homepage for formatting information. (<http://www.terrapub.co.jp/journals/JO/inforauthors.html>)

## HALF-DAY EXCURSION

The excursion will head to the northern part of Okinawa Main Island, and visit the world famous Churaumi Aquarium (<http://oki-churaumi.jp/>), as well as the Okinawa Prefectural Sea Farming Center (OPSFC) (<http://www.pref.okinawa.jp/saibai/> in Japanese only). The cost of the excursion is **FREE**. Please register for the excursion by including your wish to participate with your abstract submission (deadline October 21, 2011).

### Preliminary Schedule:

#### Friday, November 25th

12:00	Leave Naha by chartered bus (box lunch provided, to eat on bus).
13:30	Arrive at OPSFC.
13:30-14:30	Tour of OPSFC.
14:40	Leave OPSFC.
15:10	Arrive Churaumi Aquarium.
15:15-17:15	Tour of Churaumi Aquarium.

17:30            Leave Churaumi Aquarium.  
19:00            Arrive Naha.

## **HOTEL INFORMATION**

Useful information about hotels in Okinawa in English can be found at the following web sites or by searching Google.com with the keywords "Naha Okinawa hotels":

<http://www.agoda.com>

<http://www.travel.rakuten.co.jp/en>

For those who are fluent in Japanese, the following homepage may also be helpful:

<http://www.jalan.net/>

### ***Hotels near Okinawa Jichikaikan***

The below is a list of hotels close to Okinawa Jichikaikan (沖縄自治会館). Please contact hotels directly for information and reservations. The Secretariat will not make hotel reservations or enquiries for attendees. Please note Okinawa Jichikaikan is in downtown Naha, and there are many more hotels in the area. Okinawa Jichikaikan is near the Asahimachi and Tsubokawa Monorail Stations, so staying at a hotel near another monorail station is also an option. Taking the monorail from Naha Airport to the venue/hotels is quick, cheap, and convenient.

1. Okinawa Harborview Hotel Crowne Plaza – one of the hotels closest to Okinawa Jichikaikan (<2 minutes on foot). <http://www.crowneplaza-harborview.jp/en/>
2. Hotel Solvita Premire Asahibashi – <5 minutes from Okinawa Jichikaikan on foot.  
<http://www.solvita.jp/asahibashi/> (in Japanese with some English)
3. Hotel Nikko – approximately 5 minutes from Okinawa Jichikaikan on foot.  
[http://web.travel.rakuten.co.jp/portal/my/info\\_page\\_e.Eng?f\\_no=1650](http://web.travel.rakuten.co.jp/portal/my/info_page_e.Eng?f_no=1650)
4. Hotel Rocore Naha – approximately 5 minutes from Okinawa Jichikaikan on foot.  
<http://www.rocore.jp/en/index.html>
5. Comfort Hotel Naha Prefectural Office - approximately 5 minutes from Okinawa Jichikaikan on foot.  
<http://www.choice-hotels.jp/cfnaha/> (in Japanese)

6. Daiwa Roynet Hotel Okinawa Kenchomae - approximately 5 minutes from Okinawa Jichikaikan on foot.

<http://www.daiwaroynet.jp/english/locate.html> (basic information only)

<http://www.daiwaroynet.jp/okinawa-kenchomae/> (in Japanese)

7. GRG Hotel Naha Higashimachi – approximately 5 minutes from Okinawa Jichikaikan on foot.

<http://www.grghotelnaha-h.com/> (in Japanese with some English)

8. Hotel Yuquesta Asahibashi – approximately 5 minutes from Okinawa Jichikaikan on foot.

<http://www.yuquesta.jp/> (in Japanese with some English)

9. Hotel Sun Okinawa – approximately 5 minutes from Okinawa Jichikaikan on foot.

<http://www.hotel-sunokinawa.co.jp/> (in Japanese)

## **OBJECTIVES**

The objectives of the workshop is to give an opportunity to scientists and graduate students to present the results of their recent research on the East China Sea, and to exchange ideas and share their experiences regarding the environment and fisheries activities in the ECS.

## **LOCAL ORGANIZING COMMITTEE**

Makoto Yamazato (Dean, Faculty of Science, University of the Ryukyus)

Yukiharu Hisaki (Professor, Department of Physics & Earth Sciences, UR)

Makoto Tsuchiya (Professor, Department of Chemistry, Biology & Marine Science, UR)

Akihiro Takemura (Professor, Department of Chemistry, Biology & Marine Science, UR)

Yuzuru Ikeda (Professor, Department of Chemistry, Biology & Marine Science, UR)

Shoichiro Suda (Professor, Department of Chemistry, Biology & Marine Science, UR)

Hiroyuki Fujimura (Associate Professor, Department of Chemistry, Biology & Marine Science, UR)

Katsunori Tachihara (Associate Professor, Department of Chemistry, Biology & Marine Science, UR)

Hideyuki Imai (Associate Professor, Department of Chemistry, Biology & Marine Science, UR)

James Davis Reimer (Associate Professor, Rising Star Program, TRO-SIS, UR)

Haruko Kurihara (Assistant Professor, Rising Star Program, TRO-SIS, UR)

## **ENQUIRIES AND CONTACT INFORMATION**

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For more information, please contact:

8<sup>th</sup> ECS Workshop Secretariat (att: James Reimer)

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## 2011 ECS Workshop Registration Form

**Date:**

**Name (in English):** \_\_\_\_\_

**Title:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Fax:** \_\_\_\_\_

**Tel:** \_\_\_\_\_

**Category:** student  non-student  (please mark (X) one)

**Participation:** oral  poster  general attendee  (please mark (X) one)

**Title of paper:** \_\_\_\_\_

**Submission of manuscript to Proceedings? (YES or NO):** \_\_\_\_\_

\*Please reply by October 21, 2011

## ABSTRACT EXAMPLE

### Effects of temperature and light on the reproductive performance of a tropical damselfish *Chrysiptera cyanea*

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Effects of temperature and light on the reproductive activity of a reef-associated tropical damselfish *Chrysiptera cyanea* were evaluated during reproductive season under three distinct phases with different environmental patterns; phase-I (April-May; increases in water temperature and photoperiod), phase-II (June-July; increase in water temperature and peak of photoperiod), and phase-III (August-September; decreases in water temperature and photoperiod). When the fish were reared at 20°C, 25°C, or 30°C under natural photoperiod, the reproductive conditions differed within and among the phases depending on experimental temperature and environmental patterns. From phases-I through -III, ovaries with vitellogenic oocytes were notable only at 25°C, whereas regressing and immature oocytes were noticed at 20°C and 30°C. The fish underwent active spawning at 25°C, whereas no or little spawning was observed at the other temperatures. In phase-III, there was a decrease in GSI and disappearance of vitellogenic oocytes in the ovaries of fish under long (LD14:10) but not short (LD10:14) photoperiods. These results indicate that a long photoperiod with a suitable range of water temperature is a principal determinant in continuity of gonadal activity during the reproductive season, while a high temperature has a negative impact on their gonadal development. When the fish were reared under LD14:10 conditions using light emitting diode (LED), wavelengths ranging from 495 to 566 nm (green) and from 627 to 780 nm (red) were effective on induction of vitellogenic oocytes in the fish non-reproductive season. This result indicates that the fish utilize specific wavelength on reproductive performance.

**Keywords:** temperature; photoperiod; histology; gonadal development; spawning; LED.

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