

The 4th Design Symposium on Conservation of Ecosystem (SEASTAR2000)

March 16-17, 2016

Kyoto University, Yoshida North Campus,
Faculty of Agriculture Main Bldg., N283 (Main Hall) & E103 (Poster Session)
Supported by the Collaborative Graduate Program in Design, Kyoto University

PROGRAM

First Day (March 16)

12:30- **Registration**

13:00-13:10 **Opening remarks**

*Nobuaki Arai (Executive Director of SEASTAR2000, Professor, Field Science
Education and Research Center, Kyoto University)*

Session I: Marine Biological Conservation

Keynote Lectures

Chair: Kotaro Ichikawa

13:10-13:50 **Is your science alone good enough for conservation? Learning curves from a
multidisciplinary conservation-based dugong study in Johor, Malaysia**

*Louisa S. Ponnampalam (University of Malaya), J.H. Fairul Izmal,
Kotaro Ichikawa, A. A. Kee Alfian, Tomonari Akamatsu, Jol Ern NG,
Dana Wetzel, John Reynolds III & Sok Fen Lee*

13:50-14:30 **Malaysian Sea Turtles: Status and Challenges into the Future**

Juanita Joseph & Hock- Chark Liew (Universiti Malaysia Terengganu)

Oral Presentations

Chair: Satoko Soen Kimura

14:30-14:50 **Vocalization patterns of dugongs in feeding and non-feeding areas around
Talibong Island, Thailand**

*Kotaro Tanaka, Kotaro Ichikawa, Hideaki Nishizawa,
Kongkiat Kittiwattanawong, Nobuaki Arai & Hiromichi Mitamura*

14:50-15:10 **Feeding habits of Mekong giant catfish in Kaeng Krachan reservoir, Thailand**
Yuichiro Tsuji, Hiromichi Mitamura, Takuji Noda, Nobuaki Arai,
Hiroyuki Yamane, Yasushi Mitsunaga & Thavee Viputhanumas

15:10-15:30 **Coffee Breaks**

Session II: Water Resource Conservation

Keynote Lectures

Chair: Lina A. Koyama

15:30-15:40 **Introduction to the "transdisciplinary" research in relation to the Future Earth program**
Nobuhito Ohte

15:40-16:20 **Transdisciplinary perspective and practice in water resources management**
Dorotea Agnes Rampisela (Hasanuddin University)

Oral Presentations

Chair: Nobuhito Ohte

16:20-16:40 **Estimation of changes in ¹³⁷Cs pool in a forest ecosystem in Northern Fukushima**
Mizuho Sano, Nobuhito Ohte, Izuki Endo, Takahiro Miyata, Osamu Hashimoto & Masashi Murakami

16:40-17:00 **Consideration of ¹³⁷Cs discharge from forest watersheds focused on ¹³⁷Cs deposition in a check dam**
Shotaro Yamabe, Tomoki Oda, Izuki Endo, Osamu Hashimoto, Keitaro Tanoi, Atsushi Hirose & Nobuhito Ohte

Poster Session I

17:00-18:00

P01 **Frequent occurrence of finless porpoises at mouth of Mikawa-bay revealed by fixed acoustic monitoring**
Momoe Wada, Satoko Soen Kimura, Ken Yoda, Tomonari Akamatsu & Nobuaki Arai

- P02** **Species occurrence of small cetaceans predicted by acoustic monitoring off Fukushima, Japan**
Saho Kameyama, Tomonari Akamatsu & Nobuaki Arai
- P03** **Dugongs in the way of life and livelihood on Thursday Island in the Torres Strait Islands in Australia: Research results obtained from two Torres Strait Islanders**
Akane Abe, Kotaro Ichikawa & Nobuaki Arai
- P04** **Temporal Coordination of Alternating Male and Female Calls in Captive Bearded Seals**
Daisuke Mizuguchi, Masatoshi Tsunokawa, Mamoru Kawamoto & Shiro Kohshima
- P05** **Individual identity of low-frequency calls in captive immature Asian elephants**
Kaori Mizuno, Saki Yasui, Masayuki Tanaka & Gen'ichi Idani
- P06** **Activity range and pattern of an amphibious sea snake *Laticauda laticaudata* revealed by depth and temperature loggers around Iriomote Island**
Runa Tabata, Noriko Kidera, Hideaki Nishizawa & Hiromichi Mitamura
- P07** **Vertical distribution of juvenile sea cucumber *Apostichopus japonicus* in a mesocosm experiment**
Hideki Sawada & Yoh Yamashita

18:30-20:30 **Symposium dinner**

Second Day (March 17)

Session III: Wildlife Research and Methodology

Keynote Lecture

Chair: Yoshinori Miyamoto

- 09:00-09:40** **Developing an inter-individual communication biologging system**
Minlee YAP (Tokyo University of Marine Science and Technology), Yoshinori Miyamoto, Nobuaki Arai, Hiromichi Mitamura, Keiichi Uchida, Satoko Soen Kmura, Kazushi Miyashita, Hokuto Shirakawa, Yuichi Tsuda & Takashi Kitagawa

Oral Presentations

Chair: Runa Tabata

- 09:40-10:00** **Difference of duration in proximity and social behavior along with development in giraffe (*Giraffa camelopardalis tippelskirchi*)**
Miho Saito & Gen'ichi Idani
- 10:00-10:20** **Spatiotemporal constraints on homeward movements of seabirds**
Kozue Shiomi, Ken Yoda, Nobuhiro Katsumata & Katsufumi Sato
- 10:20-10:40** **Development of the pinger with an accelerometer for classification of feeding behavior of fish**
Jun Horie, Yusuke Ina, Hiromichi Mitamura, Kazuyuki Moriya, Nobuaki Arai & Toyoki Sasakura

Poster Session II

- 10:40-11:50**
- P08** **Behavior of juvenile yellowfin tuna responding to light-dark change under an open sea net cage environment**
Yusuke Komoto, Takuji Noda, Hiromu Fukuda, Ko Fujioka, Junichi Takagi, Kotaro Ichikawa, Nobuaki Arai & Hiromichi Mitamura
- P09** **Factors affecting neighbor distance of a school of 0-aged bluefin tuna**
Wataru Saito, Hiromichi Mitamura, Kotaro Ichikawa, Nobuaki Arai, Junichi Takagi, Ko Fujioka & Hiromu Fukuda
- P10** **Monitoring of Japanese eel *Anguilla japonica* by fine-scale positioning system in the Lake Kugushi, Fukui, Japan**
Ryoma Takeno, Kotaro Ichikawa, Nobuaki Arai, Hiromichi Mitamura, Junichi Takagi, Kenzo Kaifu & Takashi Yada
- P11** **Diel and seasonal change in vertical movement of kokanee salmon (*Oncorhynchus nerka*) in Lake Towada, Japan**
Yoshiaki Yasue, Masanori Yoshida, Hiromichi Mitamura, Kotaro Ichikawa & Nobuaki Arai

- P12** **Application of axis-free acceleration data for the classification of feeding behavior of sit-and-wait fish**
Yusuke Ina, Jun Horie, Takuji Noda, Nobuaki Arai & Hiromichi Mitamura
- P13** **Evaluation of multi-path effects on depth detection provided by acoustic transmitters in shallow water**
Junichi Takagi, Kotaro Ichikawa, Nobuaki Arai, Yoshinori Miyamoto, Keiichi Uchida, Ko Fujioka, Hiromu Fukuda & Hiromichi Mitamura
- P14** **Development of a real time monitoring system of fish movements for Field Museum in Amazon**
Yuko Maruo, Genki Furukawa, Hiromichi Mitamura & Nobuaki Arai
- 11:50-12:00** **Closing Remarks**
Wataru Sakamoto (Chair of SEASTAR2000, Professor Emeritus, Kyoto University)