

The 1st Design Symposium on Conservation of Ecosystem (SEASTAR2000)

March 18 – 19, 2013

Kyoto University Clock Tower Centennial Hall, Kyoto, Japan

Organized by Kyoto University Design School

PROGRAM

March 18, 2013

10:00-10:30	Registration
10:30-10:40	Opening remarks
Session 1	Fish
	Chair: Nobuaki Arai
10:40-11:00	001 BIOLOGICAL ASPECTS, FISHERIES AND CONSERVATION STATUS OF GIANT OCEANIC MANTA RAY, <i>MANTA BIROSTRIS</i> FROM INDIAN OCEAN <i>Dharmadi and Fahmi</i>
11:00-11:20	002 HABITAT USE OF MEKONG GIANT CATFISH MONITORED USING FINE-SCALE POSITIONING SYSTEM AND ACTIVITY MEASUREMENT IN KAENG KRACHAN RESERVOIR, THAILAND <i>Nao Yoshida, Hiromichi Mitamura, Nobuaki Arai, Thavee Viputhanumas and Deeka Ratanachamnong</i>
11:20-11:40	003 OCEAN RELEASE AND RECAPTURE OF THE THIRD GENERATION OF FULL-CYCLE CULTURED PACIFIC BLUEFIN TUNA <i>Wataru Sakamoto and Yuichi Tsuda</i>
11:40-14:30	Lunch

Session 2

Marine mammals

Chair: Anoukchika D Ilangakoon

- 14:30-14:50 004 STRANDING PHENOMENON OF GIANT MARINE ANIMALS
IN INDONESIAN WATERS: THE CAUSES AND HANDLING
METHODS**
Fahmi, Kunto Wibowo and Dhamadi
- 14:50-15:10 005 ACOUSTIC TOWING SURVEY FOR MARINE MAMMALS IN
LANGKAWI, MALAYSIA, WITH SPECIAL REFERENCE TO
INDO-PACIFIC FINLESS PORPOISE AND INDO-PACIFIC
HUMPBACK DOLPHIN**
*Satoko Kimura, Louisa Ponnampalam, Tomonari Akamatsu
and Ken Yoda*
- 15:10-15:30 006 QUANTITATIVE SPECIES IDENTIFICATION BETWEEN
HARBOR PORPOISE AND DELPHINID BY BIOSONAR
SIGNALS**
*Saho Kameyama, Tomonari Akamatsu, Ayaka Amaha Öztürk,
Ayhan Dede and Nobuaki Arai*
- 15:30-15:50 007 CASTNET FISHING WITH THE HELP OF IRRAWADDY
DOLPHIN, *ORCEALLA BREVIROSTRIS*, IN MYANMAR**
Tint Tun
- 15:50-16:10 Coffee break**
- 16:10-16:30 008 Chair: Satoko Kimura
SITUATION AND THREAT OF IRRAWADDY DOLPHIN
(*ORCEALLA BREVIROSTRIS*) IN TRAT BAY, TRAT
PROVINCE, THAILAND**
Chalatip Junchompoo, Chatchai Penpein and Nongnuch Sinrapasan
- 16:30-16:50 009 A REVIEW OF THE DECLINE AND CONSERVATION STATUS
OF THE DUGONG (*DUGONG DUGON*) IN SRI LANKA**
Anoukchika D Ilangakoon

- 16:50-17:10** **010** **DUGONG AERIAL SURVEY 2011-2012, DECLINE TREND OF DUGONG POPULATION IN TRANG PROVINCE, THAILAND**
Phaothep Cherdsukjai, Kongkiat Kittiwattanawong, Shinakorn Thongchai, Patcharaporn Kaewmong, Nisararat Tawisuwan, Piyawut Sukthong, Hirun Kanghae, Eduardo A. Loigorri, Ngampol Vangtapan, Narongpol Sakcharoen, Pratchaya Suwanpattana and Kanjana Adulyanukosol
- 17:10-17:30** **011** **STUDY OF BRYDE'S WHALE IN THE UPPER GULF OF THAILAND**
Surasak Thongsukdee, Kanjana Adulyanukosol, Surachai Passada and Theerawat Prempree
- 18:00-20:00** **Reception at Café Restaurant CAMPHORA**

March 19, 2013

- Session 3 (Poster)** **Chair: Hideaki Nishizawa**
- 9:30-11:30** **P001** **BEHAVIOR ANALYSIS OF PACIFIC BLUEFIN TUNA (*THUNNUS ORIENTALIS*) USING GYROSCOPE DATA LOGGERS**
Masakazu Ishikawa, Takuji Noda, Hiromichi Mitamura, Ko Fujioka, Hiromu Fukuda and Nobuaki Arai
- P002** **DEVELOPMENT OF A FINE-SCALE ACOUSTIC POSITIONING AND TELEMETRY SYSTEM FOR SCHOOLING BEHAVIOR OF BLUEFIN TUNA**
Kazunori Kikuchi, Kotaro Ichikawa, Ko Fujioka, Hiromu Fukuda, Hiromichi Mitamura and Nobuaki Arai
- P003** **DEVELOPMENT AND EVALUATION OF ULTRASONIC TRANSMITTER USING FREQUENCY MODULATION FOR BIOTELEMETRY**
Masahiro Nakagawa, Kotaro Ichikawa, Toyoki Sasakura, Hiromichi Mitamura and Nobuaki Arai

- P004 ENVIRONMENTAL IMPACT ASSESSMENT OF THE HUTGYI HYDROPOWER PROJECT IN THAILAND: ENVIRONMENTAL ASPECTS AND FISH MIGRATION**
S. Chavanich, S. Piyateratitiworakul, N. Arai, S. Piyapattanakorn, C. Nitithamyong, V. Viyakarn1,, P. Sompongchaiyakul, P. Singhruck1, J. kettratad, S. Chanchungjit, J. Sirirat and T. Sriburi
- P005 THE EVALUATION OF VPS SYSTEM FOR MEASURING FINE-SCALE MOVEMENT OF SNOW CRAB IN DEEP SEA AREA**
Hiroaki Yamoto, Nao yoshida, Kazuki Kanawa, Hiromichi Mitamura, Tetsuya Ohtani, Tameo Ozaki and Nobuaki Arai
- P006 CYCLIC CHANGE OF DUGONG'S VOCAL BEHAVIOUR**
Yuuki Matsuo, Kotaro Ichikawa, Noriko Mizobata, Kozue Kinoshita and Nobuaki Arai
- P007 ENERGY STRATEGY OF FEMALE GREEN TURTLES DURING INTER-NESTING PERIOD IN ISHIGAKI ISLANDS, JAPAN**
Yuka Obe, Junichi Okuyama, Hideaki Nishizawa, Tohya Yasuda, Masato Kobayashi and Nobuaki Arai
- P008 AN APPLICATION OF VIDEO ANALYSIS TO THE COGNITIVE STUDY: THE RELATIONSHIP BETWEEN LOOKING-AROUND BEHAVIOR OF GREEN TURTLES AND THEIR HABITAT ENVIRONMENT**
Kana Nakajima, Junichi Okuyama, Kenta Matsui, Kazuaki Kondo, Takahiro Koizumi, Yuichi Nakamura, Ayana Wada, Nobuaki Arai and Shiro Kagawa
- P009 COMPARISON OF BEHAVIORAL RESPONSE TO COLD WATER BETWEEN GREEN AND LOGGERHEAD TURTLE JUVENILES**
Runa Tabata, Ayana Wada, Junichi Okuyama, Yuka Obe,

Kana Nakajima, Nobuaki Arai and Masato Kobayashi

P010 INDIVIDUAL DIFFERENCE OF DUGONG VOCALIZATION

Sakura Komiyama, Kotaro Ichikawa and Nobuaki Arai

P011 MIGRATION OF GREEN TURTLE HATCHLINGS IN THREE NESTING SITES OF JAPAN INFERRED FROM NUMERICAL SIMULATION MODELING

Ayana Wada , Junichi Okuyama, Kei Zenimoto, Takashi Kitagawa, Shingo Kimura, Nobuaki Arai, Yoshikazu Sasai and Hideharu Sasaki

11:30-13:30 Lunch

Session 4

Sea grass

Chair: Tint Tun

13:30-13:50 012 CONSERVATION AND MANAGEMENT OF SEAGRASS HABITATS IN SOUTHEASTERN INDIA - SUPPORT STRATEGY FOR PROTECTION OF EXISTING DUGONG POPULATION

J.K. Patterson Edward

13:50-14:10 013 CONNECTIVITY OF UPSTREAM WATER QUALITY TO NEARSHORE SEAGRASS HABITAT

Lucero, Ruth S., Maria Felez B. Matignao, Michelle Elemino, Eustine Maru S. Lucero, Gregory T. King, Masumi Yamamuro, Peter Y. Labis and Matias J. Lucero

Session 5

Sea turtle

Chair: Matias J. Lucero

14:10-14:30 014 POSITIVE IMPACT OF THE TURTLES CONSERVATION DEVELOPMENT TO THE SOCIO-ECONOMY OF COASTAL COMMUNITY PANGUMBAHAN BEACH, SUKABUMI REGENCY, WEST JAVA, INDONESIA

Ngurah N Wiadnyana and Adriani Sri Nastiti

14:30-14:50 015 DIFFERENCE IN FLIPPER BEATING FREQUENCY OF GREEN TURTLES IN WATER AND ON LAND

*Hideaki Nishizawa, Junichi Okuyama, Tohya Yasuda, Nobuaki Arai
and Masato Kobayashi*

14:50-15:10 **016** **WHEN DO GREEN TURTLES MOVE UP TO THE SHALLOW
WATERS? A REVIEW OF FORGING TRIP OF GREEN
TURTLES (*CHELONIA MYDAS*) TO SEAGRASS MEADOWS**
Junichi Okuyama and Nobuaki Arai

15:10-15:30 **Coffee break**

Chair: Junichi Okuyama
15:30-15:50 **017** **THE JORDAN'S NATIONAL ACTION PLAN (NAP);
AN APPROACH TO IDENTIFY AND PRIORITISE A SET OF
ACTIONS RELATED TO THE CONSERVATION OF MARINE
TURTLES AND THEIR HABITATS IN GULF OF AQABA, RED
SEA**
Mohammad K. Al-Zibdah

15:50-16:10 **018** **COMMUNITY - BASED PROTECTION, CONSERVATION
AND SOME BIO-ECOLOGICAL NOTES OF SEA TURTLES IN
DAHICAN BEACH, MATI CITY, PHILIPPINES**
*Lea AngSinco-Jimenez, Sherwin Edgar B. Atoy, Bernadette J. Nanual
and George J. Plaza*

16:10-16:30 **019** **VULNERABILITY ASSESSMENT OF MARINE TURTLES TO
SEA LEVEL RISE**
*Lucero, Matias J., Saturnino C. Parcasio, Jr., Peter Y. Labis,
Ruth S. Lucero and Helen W. Noel*

16:30-17:00 **General discussion and Closing remarks**