PROGRAM
Monday 13 November 2017
09:30-10:00
Registration

10:00-10:30
Opening session

Opening address
Yong Tang
Chairman of AFAS2017 Steering Committee

Welcome address
Yoshinori Miyamoto
Chairman of Asian Fisheries Acoustics Society

Group photo

10:30-10:45
Tea Break

10:45-11:00
Commemorative Speech
Chair: Yoshinori MIYAMOTO
Xianyong Zhao
Vice Chairman of AFAS2017 Steering Committee

11:00-11:30
General Meeting

11:30-13:00
Lunch

13:00-15:00
Session I: Echo Survey (SGES)
Chair: Xianyong ZHAO, Kazushi MIYASITA

13:00 Characteristics of echograms of fishery resources in coastal marine ranches in the East and West Seas in Korea
Doo-jin Hwang, Eun-A Yoon, Kyounghoon Lee, Bo-Kyu Hwang, Yoo-Won Lee, Sung-Ho Suh, Ho-Sang Kim, Kyung-Seon Lee, and Eunbi Min

13:15 The performance of the new fishing gears of the anchovy boat seine fishery using a hydroacoustic method
Myounghee Kang, Junsu Park, Junseong Park, Choong-Sik Jang, Youn-Hyoung Cho, Young-Su An

13:30 Use of hydroacoustics and gillnet sampling for assessing fish abundance and biomass in Khun Dan Prakarnchon reservoir, Thailand
Vertical distribution and diel migration of mesopelagic fishes on the northern slope of the South China Sea
Xinliang Wang, Jun Zhang, Xiaotao Yu, Jichang Zhang, Xiansen Li, Xianyong Zhao

Acoustics Survey and Research on the Biological Resources of the Northern Waters of Antarctic Peninsula in January 2016
Chen Shuai, Huang Hongliang, Li Lingzhi, Qu Taichun

Vertical and horizontal distribution of copepods abundance in the western Arctic Ocean during summer 2016
Eunho KIM, Hyoung Sul La, Wiжу Son, Kyoung-Ho Cho, Jinyoung Jung, Eun Jin Yang, Sung-Ho Kang and Doojin Hwang

Estimating the catch efficiency of a framed midwater trawl for Juvenile Walleye Pollock (Gadus chalcogrammus) using an acoustic method - High accuracy estimation with a black net at night –
Zhen LU1S*, Tohru MUKAI2, Yasuzumi FUJIMORI2 and Kohji IIDA2

Acoustic distinction between pointhead flounder and juvenile walleye pollock using a quantitative echo-sounder in and near Funka Bay, Hokkaido, northern Japan
Naizheng YAN1S, Tohru MUKAI2, Jun YAMAMOTO3

Development of a new counting system of caged bluefin tuna using multi-transducer sonar and pinger
Toyoki Sasakura1, Akira Hamano2

Measurements of backscattering strengths of the red tide species (Akashiwo sanguinea and Alexandrium affine) using ultrasound
Hansoo Kim1,2,5, Donhyug Kang1, Mira Kim1, Seung Won Jung3, and Byoung Kweon Kim4

Modelling study on the target strength of Ceratoscopelus warmingii in the South China Sea
YU Xiaotao, WANG Xinliang, ZHAO Xianyong

In situ measurement of Antarctic krill density contrast and its application used in estimation of Target strength
WAN Shujie2, YANG Yang, WANG Teng, TONG Jianfeng, ZHU Guoping

Session II: Theory and Target strength (SGTS)
Chair: Myounghee KANG, Jun ZHANG

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Session III: Ecosystem Monitoring (SGEM)
Chair: Tohru MUKAI, Donhyug KANG
16:20 Acoustic monitoring of giant jellyfish Nemopilema nomurai using quantitative echosounder EK60 and scientific multibeam echosounder ME70
Tomohiko MATSUURA1*, Koki ABE2, Haruya YAMADA2, Yoko KIYOMOTO2, and Satoshi KITAJIMA2

16:35 Attempt of behavior observation of skipjack in Kuroshio Current region around Yonaguni Island
Saki Asai1S*, Keiichi Uchida2,8, Kazuhiro Miyashita3,8, Nobuaki Arat4,8, Hiromichi Mitamura5,8, Takashi Kitagawa6,8, Hokuto Shirakawa1,8, Yoshinori Miyamoto2,8, Toyoki Sasakura7,8

16:50 Characterization of the fish distribution in coast water in Kochi prefecture
Yanhui Zhu1S*, Yuka Iwahara2, Kenji Minami3, Kentaro Oda2, Koichi Hidaka2, Osamu Hoson2, Daichi Oshiyama1, Hokuto Shirakawa1, Kouji Morishita2, Sentaro Tsuru2, Masahito Hirota2, Kazushi Miyashita1

17:05 Spatial and Temporal Variation of Zooplankton Backscattering Strength from Mobile ADCP Data
Angga Dwinovantyo1S, HMEManik2*, Tri Prartono2, Susilohadi Susilohadi3

17:20 Seabed multibeam backscatter mapping of Jakarta Bay
Steven Solikin1S, HMEManik2*, Sri Pujiyatii2, Susilohadi3

17:35 Comparing the fish aggregation effect among wind turbine foundation, wind tower and artificial reefs using acoustic and scuba diving surveys – a case study in Miaoli offshore wind farm area, Taiwan
Shih-Hsuan Sun1S*, HSueh-Jung Lu1, Jia-Rong Lin1, Ching-Hsien Ho3, Jing-Yi Chen3

18:00-20:00 Welcome reception at TongYu International Hotel

Tuesday 14 November 2017
8:30-9:30
Session IV : Acoustic Technology (SGAT)
Chair: Yasushi NISHIMORI, Xichang TAN

08:30 A simple low frequency calibration method of autonomous recorders in a very quiet lake
Tomonari Akamatsu1S*, Ryuzo Takahashi2, and Tomohito Imaizumi2

08:45 Use of Passive Integrated Transponder (PIT) technology for passage efficiency estimating on the Angu fishway (Dadu River), China
Jiangping Tao1,2, Wangbin Hu1, Jingya Wen1, Chuanang Liu1, Qilin Shu1

09:00 A preliminary study on nautical area scattering coefficient and distribution of mesopelagic fishes in the central-southern part of the South China Sea
Jun Zhang1,2, Zuozen Chen1,2, Mingshuai Sun1,2, Yan Wang1,3

09:15 A Study on an Extensive Ranges Echo Sounder by Using of Multiple Transducers
Jianghuai ZHENG5, Yoshinori MIYAMOTO, Keiichi UCHIDA, Kazuo AMAKASU

9:30-9:50 Tea Break

09:50-11:05
Session V: Acoustic Application (SGAA) Part I
Chair: Tomonari AKAMATSUA, Raja Bidin Raja HASSAN

09:50 Monitoring of fish behavior in large scale set net
Keiichi Uchida1*, Yoshinori Miyamoto1, Noro2, Yuka Wada3, Yauki Tanaka4, Yousuke Ochi4, Aki Miyagi5
Detection and localization of Croaker’s fish calls using beamforming
Ikuo Matsuo1, Kazuki Yamato2, Ryuzo Takahashi3, Tomohito Imaizumi3, Tomonari Akamatsu4

DESIGNING TRANSMITTING – RECEIVING SYSTEM FOR OCEAN ACOUSTIC WAVEGUIDE REMOTE SENSING
Henry M. Manik1, Susilohadi2, Totok Hestrianoto1, Billi R. Kusumah1, Angga Dwinovantyo3, Steven Solikin3

Movement range and behavior characteristics of gray rockfish (Sebastes schlegeli) by acoustic telemetry in Yeonson Peninsula, Korea
Hyeon-Ok Shin1*, Min-A Heo2, Gyeom Heo2 and Doo-Jin Hwang3

Short-term fidelity, habitat use and vertical movement behavior of the black rockfish Sebastes schlegelii as determined by acoustic telemetry
Yingqiu Zhang1,2, Qiang Xu2, Alós Josep3, Hongsheng Yang2

Comparing the fish aggregation effect among wind tower and artificial reefs using acoustic and scuba diving surveys – a case study in Changhua offshore wind farm area, Taiwan
Jia-Rong Lin1*, Hsueh-Jung Lu1, Shih-Hsuan Sun1, Ching-Hsien Ho2Y, Jing-Yi Chen3

Technical overview of a real time monitoring system for the detection and prediction of harmful algal bloom’s (red tide) in Korea
Donhyug Kang1*, Hannsoo Kim1,2, Mira Kim1, Seung Won Jung3, Byoung Kweon Kim4

Monitoring the underwater noises of Large yellow croaker (Larimichthys crocea) in Deep-sea cage
Hongquan LI6, Yong TANG, Leiming YIN, Binbin XING, Xin ZHUANG, Jin LIU, Zhenyu WANG

Study on hearing capacities of greenling (Hexagrammos otakii) by using ECG method
Zhenyu Wang5, Guosheng Zhang, Binbin XING, Leiming Yin, Xin Zhuang

Preliminary Study on Noise Removal Method of Antarctic Krill Acoustic Data Based on Support Vector Machine
Qu Taichun1, Huang Hongliang1, Li Lingzhi1, Chen Shuai1, Liu Jian1, Wu Yue1

The application of side scan sonar in impact assessment of artificial reefs in marine ranching
ZHANG Yazhou, BI Yuanxin

Sonar observations of Chinese sturgeon (Acipenser sinensis Gray, 1835) spawning behavior in 2015 and 2016
14:15 Monitoring behavioral characteristics of the large yellow croaker (*Larimichthys crocea*) in Deep-sea cage using ultrasonic positioning system
Leiming YIN¹, Wei SONG², Yong TANG¹, Binbin XING¹, Jing LIU¹, Hongquan LI¹, Xin ZHUANG¹

14:30 Ordinary kriging as an efficient geostatistical supplement for marine fishery acoustic applications
Sun Mingshua¹, Zhang Jun¹, Zhang Kui¹, Chen Zuozhi¹

14:45 Application of passive acoustic technology in fish’s sounding behavior
ZHANG Siyu³, HUANG Honghui, LU Weihua, GUO Shaozhong

15:00-15:20
Tea Break

15:20-16:20
Chair: Kohji IIDA, Leiming Yin

Company report session

16:20-17:20
Closing session

18:00-20:00
Dinner at TongYu International Hotel