2021년도 한국수산해양기술학회
추계총회 및 학술발표대회 일정 안내

일 시	2021년 11월 5일(금) 13:00
장 소	부산 BEXCO 제1전시장 3층 316호 & Zoom Live
주 최	한국수산과학총연합회
주 제	The science of fisheries in life

행 사 일 정

시 간	내 용	사회자/좌장
13:00~13:30	등 록 Registration	
13:30~14:00	총회 General assembly	김병엽(제주대학교) Byung Yeob Kim
14:00~14:40	초청특강 Invited presentation Keigo Ebata (Kagoshima University)	황두진(전남대학교) Du Jin Hwang
14:40~15:40	Part Ⅰ 구두발표 Oral presentation part Ⅰ	김성훈(부경대학교) Seong Hun Kim
15:40~15:50	Break time	
15:50~16:35	Part Ⅱ 구두발표 Oral presentation part Ⅱ	안영수(경상국립대학교) Young Su An
16:35~16:40	폐 회 Closing session	

※ 현장상황에 따라 세부 일정이 변경 될 수 있습니다.

2021년도 한국수산해양기술학회 추계 학술발표대회 세부일정

November 5th, 2021 (Friday) #316, Exhibition center 1, BEXCO

∴ **Invited presentation** Zoom Live

Chairperson: *Du Jin Hwang (Chonnam Nat'l Univ)*

14:00-14:40 IS-2 Fishing technology for harvesting fresh seafood and sustainable fisheries

Keigo Ebata
Associate Professor, Faculty of Fisheries, Kagoshima University, Japan

▣ Fisheries and Ocean Technology (OT-1 ~ OT-7)

∴ **Oral presentation part** Ⅰ #316

Chairperson: *Seong Hun Kim (Pukyong Nat'l Univ)*

14:40-14:55 OT-1 A fundamental study on the development of habitat for *Sulculus diversicolor* in Jeju special self-governing province coastal fisheries

Nam-Hee Heo[1], Keun-Hyoung Kim[1], Byuong-Yeob Kim[2] and Suk-Jong Kim[2*]
[1]Department of Fishery, Jeju National University
[2]Department of Ocean Science, Jeju National University

14:55-15:10 OT-2 Behavioral characteristics of mandarin fish (*Siniperca scherzeri*) around setnet fishing ground by acoustical telemetry in Chungju Lake, Korea

Hyeon-Ok Shin[1*], Mina Heo[2], Hue-Chun An[2] and Gyeom Heo[1]
[1]Division of Marine Production System Management, Pukyong National University
[2]Korea Institute of Fisheries and Ocean Engineering

15:10-15:25 OT-3 Ecology index and CPUE by gill net, trap net, and longline fishing gear in the sea area of Oenarodo island in Korea

Eun-Bi Min[1*], Tae-jong Kang[1] and Doo-Jin Hwang[2]
[1]Department of Fisheries Science, Chonnam National University
[2]School of Marine Technology, Chonnam National University

15:25-15:40 OT-4 Estimation of the swept area of small “fly dragging” seine fishing

Jung-Mo Jung[1*], Yoshiki Matsushita[2], Chun-Woo Lee[3], Hyung-Seok Kim[3] and Seong-Hun Kim[3]
[1]Institute of Low-Carbon Marine Production Technology, Pukyong National University
[2]Organization for Marine Science and Technology, Nagasaki University
[3]Division of Marine Production System Management, Pukyong National University

∴ Oral presentation part Ⅱ #316

Chairperson: *Young Su An (Gyeongsang Nat’l Univ)*

15:50-16:05 OT-5 A study on the development of an automatic removal device for abalones-attached organisms

Du-Jin Hwang[1*], Jeong-Sik Lee[2], Seok-Bong Jeong[3], Eun-Bi Min[4] and Tae-Jong Kang[4]
[1]Department of Marine Production Management, Chonnam National University; [2]Department of Aqualife Medicine, Chonnam National University; [3]President of Chomco Chungha; [4]Department of Fisheries Sciences, Chonnam National University

16:05-16:20 OT-6 A study on the development of buoy type echo-sounder using LTE communication

Tae-Jong Kang[1*], Eun-Bi Min[1], Hyeon-Ok Shin[2] and Du-Jin Hwang[3]
[1]Department of Fisheries Sciences, Chonnam National University;
[2]Division of Marine Production System Management, Pukyong National University; [3]Department of Marine Production Management, Chonnam National University

16:20-16:35 OT-7 Estimation of maneuverability of a fishing trawler in shallow water

Su-Hyung Kim[1], Chun-Ki Lee[2*] and Yoo-Won Lee[1]
[1]Training ship, Pukyong National University
[2]Division of Navigation Convergence Studies, Korea Maritime and Ocean University

▣ Fisheries and Ocean Technology (PT-1 ~ PT-13)

PT-1

A review of on-site applicability of the automatic fishing gear identification system for yellow croaker drift gill nets using a prototype

Keun-Hyoung Kim[*], Nam-Hee Heo, Kyoung-Bum Kang[1] and Suk-Jong Kim
Jeju National University, [1]Jeju Special Self Governing Provincial

PT-2

A study on the shooting trajectory for purse seine using Reinforcement Learning

Kyu-suk Choi[1*], Se-na Baek[1] and Chun-woo Lee[2]
[1]Department of Fisheries Physics, Pukyong National University
[2]Division of Marine Production System Management, Pukyong National University

PT-3

Optimal mesh size for juvenile bycatch reduction in a gizzard shad gillnet fishery

Myung-Sung Koo, Sam-Kwang Cho, Bong-Sung Bae and Bong-Jin Cha[*]
Fisheries Engineering Division, National Institute of Fisheries Science

PT-4

Calibration of a broadband dual-beam echo sounder with a standard spherical target

Dae-Jae Lee
Division of Marine Production System Management, Pukyong National University, Busan, Korea

PT-5

Improved FOM performance characteristics of a linear array underwater acoustic transducer with a gradual wedge-shaped tail mass

Dae-Jae Lee
Division of Marine Production System Management, Pukyong National University, Busan, Korea

PT-6

Low-frequency hydroacoustic system for simulating the impact on marine animals of underwater noise generated by the activities of ocean-based industries

Dae-Jae Lee[1*], Yoo-Won Lee[2] and Kyoung-Hoon Lee[3]
[1]Division of Marine Production System Management, Pukyong National University, Busan, Korea
[2]Training Ship, Pukyong National University, Busan, Korea
[3]Division of Marine Technology, Chonnam National University, Yeosu, Korea

PT-7

Performance characteristics of a 50 kHz split-beam data acquisition and processing system

Dae-Jae Lee
Division of Marine Production System Management, Pukyong National University, Busan, Korea

PT-8

Behavioral analysis of the olive flounder (*Paralichthys olivaceus*) against the periphyton attachment to underwater structure of the wind power plants

Gyeom Heo[1] and Hyeon-Ok Shin[1*]
[1]Division of Marine Production System Management, Pukyong National University

PT-9

Necessity and direction for improvement of specialized subjects of the Fishing vessel officer examination in the Korea

Kyung-Jin Ryu[1], Yoo-Won Lee[1], Gwang-min Yu[2], Tae-Geon Park[2] and Hyung-Seok Kim[3]
[1]Training Ship, Pukyong National University, Busan, Korea
[2]Ocean Polytech Team, Korea Institute of Maritime and Fisheries Technology, Busan, Korea
[3]Division of Marine Production System Management, Pukyung National University, Busan, Korea

PT-10

Analysis of muscle activity according to the crew members' working postures of a coastal improved stow fishing boat during fishing operation

Min-Son Kim, Bo-Kyu Hwang and Ho-Young Chang
Marine Production System Major, Kunsan National University

PT-11

Quantitative analysis of the fishing process of coastal improved stow fishing boat using video observation methods

Min-Son Kim, Bo-Kyu Hwang and Ho-Young Chang
Marine Production System Major, Kunsan National University

PT-12

A study on the development of eco-friendly hybrid electric propulsion fishing boats to reduce fuel and pollutants

Song-Han Jin[1*] and Dong-Jun Kim[2]
[1]Research Institute of Medium & Small Shibulding, [2]Pukyong National University

PT-13

Raw anchovy feeder of processing carrier in boat seine fishery of drawer type

Ji-Seok Moon[1*], Ok-Sam Kim[2], Doo-Jin Hwang[2] and Seok-Bong Jeong[3]
[1]Dept. Naval Architecture & Ocean Eng., Graduate School ; Chonnam National Univ.
[2]School of marine Technology:Chonnam National Univ.
[3]CHAMCO CHEONGHA LTD.