

FIS Paper Session

Co-Convenors: Gordon H. Kruse (U.S.A.) and Mikhail Stepanenko (Russia)

Papers addressing general topics in fishery science and fisheries oceanography in the North Pacific and its marginal seas are invited (except S2, S3 and S6 topics).

Thursday, October 29 (9:00-18:00)

- 9:00 **Introduction by Convenors**
- 9:10 **Chul-Woong Oh, Jong-Hun Na and Hye-Min Park**
Reproductive biology of *Exopalaemon carinicauda* (Decapoda, Palaemonidae) in the Hampyong Bay of Korea (FIS-P-5676)
- 9:30 **Hyunjung Kang, Yeonghye Kim, Jinkoo Kim, Sungyeon Kim, Sukgeun Jung, Dong-woo Lee and Dae Soo Chang**
Maturity and spawning of small yellow croaker, *Larimichthys polyactis* (FIS-P-5859)
- 9:50 **Eunhui Lee, Yeonghye Kim, Hyunjung Kang, Haekyoung Kim, Sukgeun Jung, Dong-woo Lee and Dae Soo Chang**
Reproduction and growth of shotted halibut, *Eopsetta grigorjewi*, in southern coastal areas of Korea (FIS-P-5861)
- 10:10 **Hyunju Seo, Kohei Matsuda and Masahide Kaeriyama**
Long-term variations in body size and relative abundance of Pacific salmon during 1943-2007 (FIS-P-5754)
- 10:30 **Coffee / tea break**
- 10:50 **Yasuhiro Kamimura and Jun Shoji**
Estimation of cohort-specific mortality of larval and juvenile black rockfish in a macro-algae habitat in the central Seto Inland Sea (FIS-P-5854)
- 11:10 **Sukgeun Jung**
Generalized size-dependent formulation for natural mortality of fish based on their fecundity (FIS-P-5615)
- 11:30 **Hee Won Park, Young Il Seo, Jae Bong Lee and Chang Ik Zhang**
Developing indicators and reference points for assessing fisheries in marine ranching ecosystems (FIS-P-5832)
- 11:50 **Oleg Bulatov and Georgiy Moiseenko**
The experience of using GIS technology for stock assessments of marine fishes (FIS-P-5534)
- 12:10 **Elizabeth A. Logerwell, Kimberly Rand, Sandra Parker-Stetter, John Horne and Tom Weingartner**
Beaufort Sea survey: Oceanographic linkages and climate change impacts (FIS-P-5587)
- 12:30 **Lunch**
- 14:00 **Oleg N. Katugin, Gennady A. Shevtsov and Mikhail A. Zuev**
Patterns of spatial, bathymetric and seasonal distribution of the schoolmaster gonate squid *Berryteuthis magister* (Berry, 1913) in the Sea of Okhotsk and adjacent waters of the northwestern Pacific Ocean (FIS-P-5524)

- 14:20 **Aymen Charef, Seiji Ohshimo and Ichiro Aoki**
Vertical distribution patterns of acoustically classified fish schooling aggregations (FIS-P-5606)
- 14:40 **Sukyung Kang, Suam Kim, Ki Baik Seong and Hyung Kee Cha**
Effects of biological and oceanographic variability on migration timing of Korean chum salmon (FIS-P-5956)
- 15:00 **Fumitake Shido, Shin-ichi Ito, Taizo Morioka, Naoto Murakami, Takashi Ichikawa, Norio Shirafuji, Tadashi Andoh, Yasuhiro Ueno and Yasuhiro Yamanaka**
Influence of temperature on cruising speed of Pacific saury: Laboratory experiments with simple video techniques (FIS-P-5809)
- 15:20 ***Coffee / tea break***
- 15:40 **Yurii P. Diakov**
Generation stock abundance dynamics of flounders in the eastern Okhotsk Sea in view of inner and outer population factors (FIS-P-5514)
- 16:00 **William R. Bechtol and Gordon H. Kruse**
Factors leading to stock collapse of Kodiak red king crabs and their failure to recover (FIS-P-5530)
- 16:20 **Anatoliy Ya. Velikanov and Kim Sen Tok**
Peculiarities of climatic and oceanological influence on the long-term changes in species composition and abundance of pelagic and bottom fishes in Tatar Strait (FIS-P-5548)
- 16:40 **Eugene V. Samko and Alexander V. Kapshiter**
Using the satellite altimetry data to reveal perspective areas of the Japanese flying squid fishery in the Japan Sea (FIS-P-5722)
- 17:00 **Gottfried Pestal and Tatiana Tunon**
Statistical and practical performance of Bayesian decision-support tools for terminal fisheries targeting Atnarko River, British Columbia, Chinook salmon (*Oncorhynchus tshawytscha*) (FIS-P-5919)
- 17:20 **You Jung Kwon, Jae Bong Lee, Do Hoon Kim, Hyeok Chan Kwon and Chang Ik Zhang**
Ecosystem-based risk assessment and forecasting for the Korean large purse seine fishery (FIS-P-5797)
- 17:40 **Minling Pan and Chin-Hwa (Jenny) Sun**
Structural breaks and price linkage between Hawaiian and Japanese tuna sashimi markets (FIS-P-5890)
- 18:00 ***Session ends***

FIS-P Posters

- FIS-P-5515 **Victor F. Bugaev, A.V. Bugaev and V.A. Dubynin**
Biological characteristics of commercial stocks of sockeye salmon *Oncorhynchus nerka* in East Kamchatka, Koryak Plateau and some adjacent areas
- FIS-P-5517 **Elena V. Gritsay**
Seasonal and interannual variations in the age structure of walleye pollock in commercial catches in the western Bering Sea
- FIS-P-5528 **Tetsuichiro Funamoto**
Effects of spawning stock biomass and environmental conditions on walleye pollock (*Theragra chalcogramma*) recruitment in the northern Japan Sea
- FIS-P-5545 **Margarita D. Boyarova and Olga N. Lukyanova**
Organochlorine pesticides in marine and freshwater organisms from the Russian Far East
- FIS-P-5570 **Réka Domokos**
Environmental effects on forage and longline fishery performance for albacore (*Thunnus alalunga*) in the American Samoa Exclusive Economic Zone
- FIS-P-5572 **Kevin Thompson, Grant Thompson and OSU Qualitative Analysis Group**
Precautionary management may destabilize a fishery: Examples using loop analysis
- FIS-P-5575 **Liudmila S. Dolmatova and Olga A. Zaika**
Seasonal- and age-dependent activities of antioxidant enzymes in holothurian *Eupentacta fraudatrix*
- FIS-P-5590 **Yugo Shimizu and Yoji Narimatsu**
Relationship in temporal variability between temperature and recruitment of Pacific cod (*Gadus macrocephalus*) off the northeast coast of Japan
- FIS-P-5597 **Alexei M. Orlov, Eugeny F. Kulish, Alexander O. Shubin and Ilyas N. Mukhametov**
New data on age and growth of spiny dogfish *Squalus acanthias* in the northwestern Pacific Ocean
- FIS-P-5675 **Galina S. Borisenko**
The artificial radionuclides Sr-90 and Cs-137 in commercial fishes and sea water of Japan Sea
- FIS-P-5678 **Chul-Woong Oh and Jong-Hun Na**
Population biology of Korean pomfret *Pampus echinogaster* (Basilewsky, 1855) (Perciformes: Stromateidae) on the Western Coast of Korea, Yellow Sea
- FIS-P-5687 **Alexei M. Orlov, Vadim F. Savinykh, Dmitry V. Pelenev and Eugeny F. Kulish**
Distribution and size composition of spiny dogfish in the North Pacific
- FIS-P-5702 **Naoki Tojo, Akira Nishimura, Tetsuichiro Funamoto, Orio Yamamura, Hiroki Yasuma and Kazushi Miyashita**
Ecologically driven spatial dynamics in pre-wintering juvenile walleye pollock (*Theragra chalcogramma*) in the coastal sea off northeastern Hokkaido, Japan
- FIS-P-5726 **Svetlana A. Ireykina**
Biotransformation and oxidative stress biomarkers as useful tools in assessment of pollution effects in estuaries of Peter the Great Bay (Japan/East Sea)
- FIS-P-5807 **Seock-Woo Jang, Seong-Gil Kim, Ok-In Choi, Seong-Soo Kim and Zang-Geun Kim**
Concentration of trace metals in the tissues of common dolphins (*Delphinus delphis*) on the east coast of Korea

- FIS-P-5847 **Nadezhda L. Aseeva**
Myxozoa parasites in fishes of the northwest Japan Sea
- FIS-P-5857 **Wongyu Park, Chaewoo Ma, Miyoung Song, Myoung-Ho Sohn, Hakjin Hwang, Jong-Bin Kim, Kwangho Choi and In-Ja Yeon**
Seasonal occurrence and distribution of Japanese mantis shrimp *Oratosquilla oratoria* larvae off Yeonpyeong-do near the Korean coast in the Yellow Sea
- FIS-P-5858 **Myoung-Ho Sohn, Miyoung Song, Hakjin Hwang, Yang-Jae Im, In-Ja Yeon, Wongyu Park, Chaewoo Ma and Jae-Won Kim**
Larval occurrence and distribution of swimming crab *Charybdis japonica* (Milne Edwards, 1860) off Yeonpyeong-do near Korean coast in the Yellow Sea
- FIS-P-5872 **Jong Hee Lee, Jae Bong Lee, Jung Nyun Kim, Dong Woo Lee and Dae Soo Chang**
Seasonal species composition of marine organisms collected by a shrimp beam trawl in the Nakdong River estuary, Korea
- FIS-P-5916 **Hyoungsum Han, Chaewoo Ma and Wongyu Park**
Differences of growth and density in *Ruditapes philippinarum* in the intertidal area in Tae-an on the west coast of South Korea
- FIS-P-5918 **Hae-Won Lee, Byung-Kyu Hong, Young-Min Choi and Dong-Woo Lee**
Gonadal maturation and spawning in the Pacific herring, *Clupea pallasii*, in the East/Japan Sea of Korea
- FIS-P-5920 **Tatiana Tunon and Gottfried Pestal**
Using classification trees to capture a manager's interpretation of Bayesian projections
- FIS-P-5957 **Jung Hwa Choi, Bong Jun Sung, Jung Nyun Kim, Taeg-Yun Oh, Dae Soo Chang and Hyung Kee Cha**
Feeding habits of yellow goosefish, *Lophius litulon*, and John Dory, *Zeus faber* in the northern part of the East China Sea
- FIS-P-5988 **Wen-Bin Huang**
Comparisons of spatiotemporal variations in abundance and size composition of Pacific saury between the high-seas and coastal fishing grounds in the Northwestern Pacific