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, Haeyoung 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 Atmarno 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 Nishmura, 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
Nadezhda L. Aseeva
Myxozoa parasites in fishes of the northwest Japan Sea

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

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

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

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

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

Tatiana Tunon and Gottfried Pestal
Using classification trees to capture a manager’s interpretation of Bayesian projections

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

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