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| 9:30 | 【開会式】 開会の辞 青田 昌秋 (オホーツク海氷海研究グループ会長) |
| 9:40 | 【基調講演】 The census of marine life and the Arctic Ocean: V. Alexander (Univ. of Alaska, USA) |
| 10:10 | 休憩 |
| | 【A：生物、水産、オホーツク海】 座長：西山 恒夫（北海道東海大学） |
| 10:20 | A-1 Seasonal variation of zooplankton at adjacent water of the Okhotsk Tower off Mombetsu in the coastal water of the Okhotsk Sea in 2003: 濱岡 荘司 (紋別市役所) |
| 10:40 | A-2 Relationship between the increase of homed chum salmon resources in autumn of 2003 and the oceanographic environment of the Okhotsk Sea after sea ice retreated in spring of 2000: 清水 幾太郎 (さけ・ます資源管理センター) |
| 11:00 | A-3 Trophic structure of the marine food web in a nearshore zone on the Okhotsk coast of northern Hokkaido, Japan as traced by $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$: 樋渡 武彦, 越川 海 (国立環境研究所), 永田 隆一 ((株)オホーツク・ガリンコタワー), 須田 有輔 (水産大学校), 濱岡 荘司 (紋別市役所), 木幡 邦男, 渡辺 正孝 (国立環境研究所) |
| 11:20 | A-4 Revision of the ichthyofauna of reflective sandy beach on the Okhotsk coast of northern Hokkaido, Japan, with notes on the food habits of some fish: 須田 有輔, 椎野 俊介 (水産大学校), 永田 隆一 ((株)オホーツク・ガリンコタワー), 麩澤 珠子 (水産大学校), 樋渡 武彦, 木幡 邦男 (国立環境研究所), 濱岡 荘司 (紋別市役所), 渡辺 正孝 (国立環境研究所) |
| 12:00 | 昼食 |
| 13:30 | 【氷海の民シンポジウム】 司会：吉川 智一郎（北の文化シンポジウム実行委員会） アイヌと北方先住民の交易: 大塚 和義 (国立民族学博物館) 北と南の文化と伊勢神宮 - 健康長寿の知恵と科学- : 河合 真如 (神宮徴古館農業館) |
| 18:00 | イブニングセッション <オホーツクパレス> |
| 18:30 | ホワイトコンサート <北海道立オホーツク流氷科学センター> |

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| | 【B：オホーツク海，リモート・センシング】 | 座長：永田 豊（東京大学名誉教授） |
| 10:20 | B-1 Numerical study of tidal impacts on sea ice in the Sea of Okhotsk: 佐川 玄輝, 山口 一, 段 烽軍 (東京大学) | |
| 10:40 | B-2 POM-based numerical simulation of the Sea of Okhotsk: 日野 圭, 山口 一, 段 烽軍, 佐川 玄輝, 小村 隆士 (東京大学) | |
| 11:00 | B-3 An algorithm for detection and classification of sea ice in the Okhotsk Sea with satellite active and passive microwave data: D.V. Darkin, L.M. Mitnik and V.A. Dubina (V.I.Il'ichev Pacific Oceanological Inst., Russia) | |
| 11:20 | B-4 New ice formation in the Okhotsk Sea: Detection with ERS-2 SAR and Envisar ASAR: L.M. Mitnik, V. A. Dubina and D.V. Darkin (V.I.Il'ichev Pacific Oceanological Inst., Russia) | |
| 12:00 | 昼 食 | |
| | 【C：リモート・センシング，海氷，オホーツク海】 | 座長：樋渡 武彦（国立環境研究所） |
| 13:00 | C-1 Modeling internal structure of sea ice in the south Sea of Okhotsk for observing thickness of deformed ice using a ship-borne electro-magnetic inductive sensor: 宇都 正太郎, 下田 春人 (海上技術安全研究所), 舘山 一孝 (北見工業大学), 豊田 威信, 白澤 邦男 (北海道大学) | |
| 13:20 | C-2 Coastal fast ice thickness in the Sea of Okhotsk: Observations and modelling: 白澤 邦男 (北海道大学), M. Leppäranta (Univ. of Helsinki, Finland), T. Saloranta (Norsk Institutt for Vannforskning, Norway), 河村 俊行 (北海道大学), A. Polomoshnov and G. Surkov (JSC "Sakhalin Projects", Russia) | |
| 13:40 | C-3 An experimental study of the effects of crude oil and different nutrient additions on the arctic sea ice biota: J. Ikävalko (Univ. of Helsinki, Finland) and B. Gerdes (Alfred-Wegener-Inst. for Polar & Marine Res., Germany) | |
| 14:00 | C-4 Ice floe distribution in the Sea of Okhotsk in the period when sea-ice extent is advancing: 猪上 淳 (海洋研究開発機構), 若土 正暁, 藤吉 康志 (北海道大学) | |
| 14:20 | C-5 Application of Aerosondes to high-resolution observations of sea surface temperature over Barrow Canyon: 猪上 淳 (海洋研究開発機構), J.A. Curry (Georgia Inst. of Technology, USA) | |
| 14:40 | 休 憩 | |
| | | 座長：白澤 邦男（北海道大学） |
| 14:50 | C-6 Introduction of JMA's sea ice analysis by using microwave data: 金子 秀毅, 片山 恭男, 濱田 啓次 (気象庁) | |
| 15:10 | C-7 The effect of sea-ice growth on CO ₂ exchange between the sea and the overlying air on the basis of experiment in the low-temperature room: 野村 大樹, 吉川(井上) 久幸, 豊田 威信 (北海道大学) | |
| 15:30 | C-8 Interannual variability of the dissolved oxygen and inorganic carbon in the Kuril Basin of the Okhotsk Sea: A.G. Andreev and V.I. Baturina (V.I.Il'ichev Pacific Oceanological Inst., Russia) | |
| 15:50 | C-9 Increases in calcium and total alkalinity in the Anadyr Bay (Bering Sea) and western Chukchi Sea: A.G. Andreev (V.I.Il'ichev Pacific Oceanological Inst., Russia) and C.A. Chen (Ntl. Sun Yat- Sen Univ., Taiwan) | |
| 16:10 | C-10 Interannual variability of ice cover and spring thermal conditions in the Okhotsk Sea and adjacent areas: E. I. Ustinova and Y.D. Sorokin (Pacific Fisheries Res. Centre, Russia) | |
| 16:30 | C-11 Spectroellipsometric technology for the remote ecological monitoring of the aquatic environment: F.A. Mkrchyan, V.F. Krapivin, V.I. Kovalev, V.V. Klimov, A.I. Rukovichnikov and S.P. Golovachev (Inst. of Radioengineering & Electronics, Russia) | |
| 18:00 | イブニングセッション <オホーツクパレス> | |
| 18:30 | ホワイトコンサート <北海道立オホーツク流氷科学センター> | |

2005年2月22日(火)

紋別市文化会館

ガリニコ(1階)

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| 9:30 | 【公開講座】 =オホーツク~ふるさとの海= サケ・マスの生態と資源動向について： 永田 光博 (北海道立水産孵化場) ナマコの栽培漁業について： 中島 幹二 (北海道立稚内水産試験場) 司会：丸山 秀佳 (北海道立網走水産試験場) |
| 12:00 | 昼 食 |
| | 【D：あざらし】 座長：濱岡 荘司 (紋別市役所) |
| 14:10 | D-1 オホーツクとっかりセンターにおけるゴマフアザラシ <i>Phoca largha</i> とワモンアザラシ <i>Phoca hispida</i> の血液検査データのみやす： 原 聡美, 廣崎 芳次 ((株)野生水族繁殖センター) |
| 14:30 | D-2 ワモンアザラシ <i>Phoca hispida</i> 幼獣の摂餌量と体重の変化： 高石 雅枝, 廣崎 芳次 ((株)野生水族繁殖センター) |
| 14:50 | D-3 オキアミ・魚貝肉ミンチに対する飼育下の3種のアザラシの摂餌反応： 西 里美, 廣崎 芳次 ((株)野生水族繁殖センター) |
| 15:10 | D-4 保護ゴマフアザラシ <i>Phoca largha</i> の血液性状について： 管野 亜矢子, 廣崎 芳次 ((株)野生水族繁殖センター) |
| 15:30 | 休 憩 |
| 15:40 | 【フォーラム：タマちゃんは今？】 司会：廣崎 芳次 ((株)野生水族繁殖センター) |
| 16:40 | 閉 会 式 |
| 18:00 | 交歓の夕べ <氷紋の駅「蔵」> |

2005年2月22日(火)

紋別市文化会館

流水(3階)

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| 9:30 | <p>【E：海氷，オホーツク海，海氷工学】 座長：永田 豊（東京大学名誉教授）</p> <p>E-1 Relationship between large-scale climatic anomalies in the Asian Pacific, Amur River discharge, and Okhotsk Sea ice extend: V.I. Ponomarev, N.I. Rudykh, A. Salomatin and D. Kaplunenka (Pacific Oceanological Inst., Russia)</p> <p>E-2 Theory and experiments on pancake ice formation: H.H. Shen, S.F. Ackley (Clarkson Univ., USA), M. Dai (NSIDC, USA) and M.A. Hopkins (US Army Cold Regions Res. & Engineering Laboratory, USA)</p> <p>E-3 Study on spectral reflectance of sea ice in Bohai Sea, China: W. Gu, N. Li and F. Xie (Beijing Normal Univ., China)</p> <p>E-4 Study on the reserves of sea ice as a fresh water resource, -Area estimation of sea ice and its temporal and special characteristics in Bohai Sea of China: N. Li, W. Gu, P. Shi and F. Xie (Beijing Normal Univ., China)</p> |
| 10:50 | <p>座長：成田 秀明（日本雪氷学会）</p> <p>E-5 Methane anomalies along eastern shelf and slope of Sakhalin Island (Okhotsk Sea): R. Shakirov (北見工業大学), A. Obzhairov (V.I.II'ichev Pacific Oceanological Inst., Russia), V. Terekhova (北見工業大学) and N. Biebow (Alfred Wegener Inst. für Polar- und Meeresforschung, Germany)</p> |
| 11:10 | <p>E-6 Regularity of methane distribution in water column of the Okhotsk Sea (from 1984 to 2004): A. Obzhairov, A. Salyuk (V.I.II'ichev Pacific Oceanological Inst., Russia), R. Shakirov, 庄子 仁, (北見工業大学), Y.K. Jin (Korea Polar Res. Inst., Korea), W. Dullo (IFM-GEOMAR Res. Center, Germany), N. Biebow (Alfred Wegener Inst. für Polar- und Meeresforschung, Germany), A. Ageev, N. Pestrikova (V.I.II'ichev Pacific Oceanol. Inst., Russia) and K. Wallmann (IFM-GEOMAR Res. Center, Germany)</p> |
| 11:30 | <p>E-7 Criteria of winters severity for northern Sakhalin: A. Polomoshnov and G. Surkov (JSC "Sakhalin Projects", Russia)</p> |
| 11:50 | <p>E-8 The optimum design of a pier with cone in ice covered seas, Part 1 : Experimental study of cylindrical model with 60° cone: 宮島 務 (日本大学), 佐藤 貢一 (大成建設(株)), 八島 信良 ((有)セラミックハウス), 中西 三和, 安達 洋 (日本大学)</p> |
| 12:10 | <p>E-9 Problems of probabilistic simulation of an underwater pipeline track under impact of drifting hummocks offshore Sakhalin Island: A.T. Bekker and O.A. Sabodash (Far-Eastern State Technical Univ., Russia)</p> |
| 12:30 | 昼 食 |
| 13:00 | <p>【フォーラム：油汚染について】 司会：後藤 真太郎（立正大学），小野 哲（北海民友新聞社）</p> |
| 14:50 | 休 憩 |
| 15:00 | <p>【F：油汚染，自然災害】 座長：後藤 真太郎（立正大学）</p> <p>F-1 Laboratory experiment on separating oil which trapped under pack ice: 近藤 浩文 (北海道大学), 大塚 夏彦 (北日本港湾コンサルタント(株)), 石川 亮, 佐伯 浩 (北海道大学)</p> |
| 15:20 | <p>F-2 Soil deformation within the seabed due to ice-scouring: 石川 亮 (北海道大学), 木岡 信二, 窪内 篤 (北海道開発土木研究所), 佐伯 浩 (北海道大学)</p> |
| 15:40 | <p>F-3 Characteristics of spilled oil on marine Osaka accident: 大塚 夏彦 (北日本港湾コンサルタント(株)), 濱田 誠一 (北海道立地質研究所), 高橋 伸次郎 (西村組), 近藤 浩文, 石川 亮, 佐伯 浩 (北海道大学)</p> |
| 16:00 | <p>F-4 On the numerical analysis of flow around ice piece moving near icebreaker hull: 金野 祥久, 河北 光央, 吉川 篤, 水野 明哲 (工学院大学)</p> |
| 16:20 | <p>F-5 A discussion of one of the large natural disasters to have occurred in northern Japan in 2004, and the efficacy of the disaster prevention and recovery measures taken: 桜井 宏, 岡田 包義 (北見工業大学), 佐伯 昇 (北海道大学)</p> |
| 16:40 | 閉会式 ◇ 1階ガリンコ会場 |
| 18:00 | 交歓の夕べ <氷紋の駅「蔵」> |

ポスターセッション

- P-1** Near-shore zooplankton characteristics of northern part of Aniva Bay in ice-free period of 2003:
I.B. Piskunov (Sakhalin Res. Inst. of Fisheries & Oceanography, Russia)
- P-2** Wave influence on macrobenthos structural characteristics of north-eastern Sakhalin Shelf:
V.S. Labay (Sakhalin Res. Inst. of Fisheries and Oceanography, Russia)
- P-3** Results of joint Russian-Japan investigations conducted in Pacific waters off Southern Kuril Islands and Hokkaido Island in 1999 (macroplankton, ichthyoplankton):
I.A. Nemchinova and
I.N. Moukhametov (Sakhalin Res. Inst. of Fisheries & Oceanography, Russia)
- P-4** Characteristics of biota and its environment on the Okhotsk Sea shelf along northeastern Sakhalin:
N.V. Pecheneva, V.S. Labay, I.B. Piskunov, P.K. Polupanov, T.G. Koreneva,
O.N. Moukhametova, A.V. Polteva, N.V. Konovalova, N.G. Storozhuk and
D.A. Shirokov (Sakhalin Res. Inst. of Fisheries & Oceanography, Russia)
- P-5** The Pteropods of the Okhotsk Sea: biomass, abundance, stock:
A.F. Volkov (Pacific Fisheries Res. Centre, Russia)
- P-6** Modern data about the structure of stages and feeding of mature pollack in Okhotsk Sea during the spring period:
K.M. Gorbatenko and A.E. Lazhentsev (Pacific Fisheries Res. Centre, Russia)
- P-7** The comparative characteristic of pollack *Theragra chalcogramma* (Pallas) in connection to abiotic and biotic conditions of the Okhotsk Sea:
L.M. Zverkova (Russian Federal Res. Inst. of Fisheries & Oceanography, Russia) and
I.Y. Bragina (Sakhalin Res. Inst. of Fishing & Oceanography, Russia)
- P-8** Pacific saury migrations in the areas of the Kuril Islands and the Sea of Okhotsk:
V.N. Filatov (Pacific Fisheries Res. Centre, Russia)
- P-9** Investigation of the sea level fluctuations in the Yuzhno-Kuril'skaya Bay:
P. D. Kovalev (Inst. of Marine Geology & Geophysics, Russia),
G.V. Shevchenko (Sakhalin Res. Inst. of Fishery & Oceanography, Russia) and
D.P. Kovalev (Inst. of Marine Geology & Geophysics, Russia)
- P-10** The tidal front on example of the Okhotsk and White Seas:
V.R. Foux and R.I. May (St. Petersburg State Univ., Russia)
- P-11** Surface currents in the Gulf of Shelikhov in the winter:
M.M. Shutova and L.P. Yakunin (The Far- Eastern State Univ., Russia)
- P-12** Tide and wind induced sea-ice drift and ice cover deformations in the vicinity of the Molikpaq drilling platform, northeastern Sakhalin:
V. Tambovsky (Environmental Company of Sakhalin, Ltd., Russia),
P. Truskov (Sakhalin Energy Investment Company, Ltd., Russia) and
G. Shevchenko (Sakhalin Res. Inst. of Fishing & Oceanography, Russia)
- P-13** Reorganizations of atmosphere regime over the Far Eastern Seas occurred in 2000-2003:
S.Y. Glebova (Pacific Res. Fisheries Centre, Russia)
- P-14** Okhotsk Sea SST spatial structure analyzing and SST forecasting based on the satellite data:
G. Novinenko and G. Shevchenko (Sakhalin Res. Inst. of Fish. & Oceanography, Russia)
- P-15** Seasonal variations of surface circulation in the Okhotsk Sea from Topex/Poseidon satellite altimetry data:
G. Shevchenko (Sakhalin Res. Inst. of Fishery & Oceanography, Russia) and
A. Romanov (All-Russia Res. & Design Inst. for Economics, Russia)
- P-16** Statistical research of conditions Japan sea ice cover:
A.N. Chetyrbotsky (Far East Geological Inst. DVO of the Russian Acad. of Sci., Russia)
- P-17** Estimation of influence of a hotbed effect on of conditions Japan sea ice cover:
A.N. Chetyrbotsky (Far East Geological Inst. DVO of the Russian Acad. of Sci., Russia)
- P-18** Coastal seabird community structures in the Sea of Okhotsk during spring and fall: Preliminary findings from 7 seasons of fieldwork:
F. Huettmann (Univ. of Alaska, USA) and J. Kotzerka (Univ. of Kiel, Germany)