

9:00	【OPENING ADDRESS】 M. Aota (Chair, Okhotsk Sea & Cold Ocean Res. Association)
9:10	【KEYNOTE ADDRESS】 How do you feel the global climate change? - Views from Antarctica, Arctic area and Hokkaido - S. Takahashi (Kitami Inst. of Tech.)
10:10	BREAK
	【A:MARINE BIOLOGY】 Chair: A. Taniguchi (Tokyo Univ. of Agriculture)
10:20	A-1 The long-term variation (1998-2007) of zooplankton distribution in the coast of Okhotsk Sea ◇S. Hamaoka (Mombetsu City)
10:40	A-2 Light-harvesting strategy of ice algal community ◇M. Obata, A. Mizobuchi and S. Taguchi (Soka Univ.)
11:00	A-3 Variability in paralytic shellfish poison of dinoflagellate alexandrium tamarense due to ambient nutrient ratios ◇A. Murata, N. Kobashi (Soka Univ.), Y. Nagashima (Tokyo Univ. of Mar. Sci. and Tech.) and S. Taguchi (Soka Univ.)
	【B:BIOLOGY & FISHERY】 Chair: T. Nishiyama (Emer. Prof., Hokkaido Tokai Univ.)
11:20	B-1 Seasonal variability of primary production off Abashiri, the southern Okhotsk Sea ◇H. Kasai and K. Hirakawa (Hokkaido Ntl. Fish. Res. Inst.)
11:40	B-2 Age and growth analysis of Greenland halibut in the Okhotsk Sea ◇S. Katakura, T. Hamatsu and A. Nishimura (Hokkaido Ntl. Fish. Res. Inst)
12:00	LUNCH
13:30	【ON NORTHERN PEOPLE】 (<i>in Japanese language only</i>) Chair: T. Yoshikawa (Northern Culture Symposium) The climatic change of terminal glacial and transition of prehistoric culture S. Yamada (Kitami City) The climate change and northern cultures after 2,000 years B.P. in Hokkaido H. Ushiro (Historical Museum of Hokkaido) Climate variability seen from relation between man and nature K. Kojima (Showa women's Univ.)
18:30	DINNER PARTY FOR FRIENDSHIP BETWEEN SCIENTISTS & VOLUNTEERS <MOMBETSU CENTRAL HOTEL>

12:00	LUNCH
	<p>[C:PHYSICS & METEOROLOGY IN ARCTIC OCEAN]</p> <p style="text-align: right;">Chair: M. Kashiwai (Tokyo Univ. of Agriculture)</p>
13:00	<p>C-1 Effect of salinity diffusion and heat flux on the growth of sea ice microstructure ◇Y. Kawano and T. Ohashi (Kitami Inst. of Tech.)</p>
13:20	<p>C-2 Observational estimation of depth dependence of horizontal eddy diffusivity in coastal waters ◇M. Nakajima and Y. Michida (The Univ. of Tokyo)</p>
13:40	<p>C-3 Winter Convection of Okhotsk Sea in WOA05 ◇M. Kashiwai (Tokyo Univ. of Agriculture)</p>
14:00	<p>C-4 Global warming effects on the Arctic and Subarctic Seas ◇J.C.J. Nihoul and J.M. Beckers (Univ. of Liège, Belgium)</p>
14:20	<p>C-5 Numerical study of DSW formation and the transport processes in the Sea of Okhotsk ◇Y. Kawaguchi and H. Mitsudera (Hokkaido Univ.)</p>
14:40	BREAK
	<p>[D:CLIMATOLOGY IN ARCTIC OCEAN]</p> <p style="text-align: right;">Chair: K. Shirasawa (Hokkaido Univ.)</p>
14:50	<p>D-1 Sea-ice production in the Okhotsk coastal polynyas ◇S. Nihashi, K.I. Ohshima, T. Tamura and S. Saito (Hokkaido Univ.)</p>
15:10	<p>D-2 Interannual changes of temperature and salinity of the Sea of Okhotsk at the end of 20-th - the beginning of 21 centuries ◇I.A. Zhigalov (TINRO-Center, Russia)</p>
15:30	<p>D-3 Numerical study of the Sea of Okhotsk with a high-resolution ice-ocean model ◇A. Fujisaki, H. Yamaguchi and G. Sagawa (The Univ. of Tokyo)</p>
15:50	<p>D-4 Climate variability and change in the North Asian Pacific ◇V. Ponomarev (Pacific Oceanological Inst., Russia)</p>
16:10	<p>D-5 Climatic tendencies and changing global-regional linkages in the North Pacific and Okhotsk Sea ◇V. Ponomarev and E.V. Dmitrieva (Pacific Oceanological Inst., Russia)</p>
18:30	DINNER PARTY FOR FRIENDSHIP BETWEEN SCIENTISTS & VOLUNTEERS <MOMBETSU CENTRAL HOTEL>

	[E:MARINE ENVIRONMENT IN OKHOTSK SEA] Chair: Y. Nagata (Mar. Information Res. Center)
9:30	E-1 Microstructure in the northeast coast of Hokkaido in summer ◇M. Ishizu, Y. Kitade (Tokyo Univ. of Mar. Sci. and Tech.) and Y. Michida (The Univ. of Tokyo)
9:50	E-2 Simulation of the East Sakhalin Current and Soya Warm Current with a three-dimensional/high-resolution ocean circulation model ◇J. Ono, K.I. Ohshima, K. Uchimoto and H. Mitsudera (Hokkaido Univ.)
10:10	E-3 About simulation model of Okhotsk Sea ecosystem V.F Krapivin and ◇F.A Mkrtychyan (Inst of Radioengineering & Electronics RAS, Russia)
10:30	E-4 The influence of the annual Arctic Oscillation on the negative correlation between Okhotsk sea ice and Amur River discharge ◇Y. Tachibana (Japan Agency for Mar.-Earth Sci. and Tech.), M. Ogi (Univ. of Washington, USA) and K. Oshima (Hokkaido Univ.)
10:50	BREAK
	Chair: K. Tateyama (Kitami Inst. of Tech.)
11:00	E-5 Seasonal variation of the oceanic state in the sea to the east of Hokkaido (II) ◇Y. Nagata (Mar. Inform. Res. Center), S. Oguma (Hokkaido Ntl. Fish. Res. Inst.), K. Aikawa, K. Nagase (Nemuro City Fish. Res. Inst.), I. Tanaka, A. Nakata (Hokkaido Central Fish. Experiment Station) and M. Natsume (Hokkaido Kushiro Fish. Experiment Station)
11:20	E-6 Assessment of regional features and prevailing oscillations in the hydrosphere of the Asia Pacific: Amur River discharge, Ice Extent and SST of the Okhotsk Sea, Tatar Strait N.I. Savelieva, E.V. Dmitrieva (V.I.Ilichev Pacific Oceanological Inst., Russia) and ◇V.I. Ponomarev (Pacific Oceanological Inst., Russia)
11:40	E-7 Sea ice volume estimation using passive microwave radiometer ◇K. Tateyama and H. Enomoto (Kitami Inst. of Tech.)
12:00	LUNCH
13:30	[FORUM: THE OKHOTSK SEA – OUR HOME SEA] (<i>in Japanese language only</i>) Chair: M. Aota (Okhotsk Sea Ice Museum) and K. Aoki (Mombetsu City) 「Part I Facilities in the Okhotsk Marine Park」 Captain of Garinko II talks on the Okhotsk Sea S. Yamai (Okhotsk Garinko & Tower Co., Ltd.) Relationship between drift ice and seals S. Nishi and Y. Hirosaki (Aquatic Wildlife Breeding Center) Behavior observed during the breeding period in three kinds of seals in captivity N. Miyazawa and Y. Hirosaki (Aquatic Wildlife Breeding Center) Measurements taken between and around the teats of 3 kinds of seals N. Tomizawa and Y. Hirosaki (Aquatic Wildlife Breeding Center) A questionnaire survey by the Okhotsk Tokkari Center M. Takaishi and Y. Hirosaki (Aquatic Wildlife Breeding Center) Activity of Okhotsk Sea Ice Museum A. Yamanaka and M. Sato (Okhotsk Sea Ice Museum) 「Part II Gain a better understanding of the Ocean」 Useful knowledge of scallop K. Kawamata (Hokkaido Abashiri Fish. Experiment Station) Zooplankton in the adjacent water of Okhotsk Tower S. Hamaoka (Mombetsu City) Collection of warm water fishes in the shore set net of salmon, Abashiri, Sea of Okhotsuk A. Suzuki (Tokyo Univ. of Agriculture) Observation at the Okhotsk Tower R. Nagata (Okhotsk Garinko & Tower Co., Ltd.)
18:30	WHITE CONCERT < OKHOTSK SEA ICE MUSEUM >

	<p>[F: ENVIRONMENT & OIL POLLUTION IN ARCTIC OCEAN]</p> <p style="text-align: right;">Chair: H. Yamaguchi (The Univ. of Tokyo)</p>
9:30	<p>F-1 A numerical experiment of sea ice distribution forecast using MOVE/MRI.COM system in the southern part of the Sea of Okhotsk ◇M. Chikasawa, T. Imaizumi and K. Hamada (Japan Meteorological Agency)</p>
9:50	<p>F-2 Medium-scale test of ice loading on ship hull -Test outline and preliminary results- H. Shimoda, S. Kanada, D. Wako, T. Takimoto and ◇K. Izumiya (Ntl. Maritime Res. Inst.)</p>
10:10	<p>F-3 Numerical simulation of ship navigation in brash ice channels ◇A. Konno and K. Yoshimoto (Kogakuin Univ.)</p>
10:30	BREAK
	<p style="text-align: right;">Chair: K. Izumiya (Ntl. Maritime Res. Inst.)</p>
10:40	<p>F-4 A numerical simulation of spilled oil behavior of ice-covered sea in the Sea of Okhotsk ◇K. Hara, H. Yamaguchi and G. Sagawa (The Univ. of Tokyo)</p>
11:00	<p>F-5 Experimental study of forming the oil and ice sandwich ◇N. Otsuka, M. Ito (North Japan Port Consultants Co., Ltd.), S. Takahashi (Nishimura Gumi Ltd.) and H. Saeki (Hokkaido Univ.)</p>
10:20	<p>F-6 Development of an oil recovery unit in ice S. Kanada, H. Shimoda, D. Wako, T. Takimoto and ◇K. Izumiya (Ntl. Maritime Res. Inst.)</p>
12:00	LUNCH
13:30	<p>[FORUM: COUNTERMEASURES AGAINST OIL POLLUTION] <i>(in Japanese language only)</i> Chair: S. Goto (Rissho Univ.)</p> <p>Countermeasures against oil pollution attendant upon the Sakhalin-II Project</p> <p>The status of Sakhalin-II Project and oil spill response H. Matsumoto (Sakhalin Energy Investment Co., Ltd.) L.H. Glushik (Sakhalin Energy Investment Co., Ltd.)</p> <p>Provision against emergencies of oil pollution along the Okhotsk Sea coast of Hokkaido H. Kimoto (Maritime Disaster Prevention Center)</p> <p>On the practical use of radio equipment for oil pollution S. Hamada (Geological Survey of Hokkaido)</p> <p>Accident prevention of the vessel in the Bay of Finland N. Sawano (Seiryō Women's Junior College)</p> <p>Countermeasures against oil pollution of vessels at sea S. Onuki (Japan Association of Marine Safety)</p> <p>Activity of Japan Bank for International Cooperation in the Sakhalin-II Project T. Maeda (Japan Bank for International Cooperation)</p> <p>Summarization of session S. Goto (Rissho Univ.)</p>
18:30	WHITE CONCERT < OKHOTSK SEA ICE MUSEUM >

9:00	[CREATION OF BIOMASS ENERGY IN MOMBETSU DISTRICT] (<i>in Japanese language only</i>)
12:00	CLOSING ADDRESS

	<p>[G:OCEANOGRAPHY & METEOROLOGY IN ARCTIC OCEAN] Chair : M. Sasaki (Kitami Inst. of Tech.)</p>
9:30	<p>G-1 Doppler radar observation of sea-ice and snow-clouds developed over the Sea of Okhotsk ◇Y. Fujiyoshi, Y. Miyazaki, Y. Hamamoto (Hokkaido Univ.), M. Ohi (J2 Co., Ltd.), S. Nakatsubo, K. Fujita and H. Fukushi (Hokkaido Univ.)</p>
9:50	<p>G-2 Intra-seasonal relationship between the Northern Hemisphere sea ice variability and the North Atlantic Oscillation ◇M. Honda (Japan Agency for Mar.-Earth Sci. and Tech.), K. Yamamoto (Japan Meteorological Agency), Y. Tachibana (Japan Agency for Mar.-Earth Sci. and Tech.) and J. Ukita (Niigata Univ.)</p>
10:10	<p>G-3 Air-sea exchange of methane in the Sea of Okhotsk M. Sasaki, N. Endo, K. Tateyama and ◇T. Tomita (Kitami Inst. of Tech.)</p>
10:30	BREAK
	<p>Chair : Y. Fujiyoshi (Hokkaido Univ.)</p>
10:40	<p>G-4 The effect of under-ice river plume on physico-chemical properties in the brine and under-ice water during melting in the seasonally ice-covered Saroma-ko Lagoon, Hokkaido, Japan ◇D. Nomura, T. Takatsuka, M. Ishikawa, T. Kawamura, K. Shirasawa and H. Yoshikawa-Inoue (Hokkaido Univ.)</p>
11:00	<p>G-5 Sea-ice thickness variability in the Chukchi Sea, spring and summer 2002-2004 ◇K. Shirasawa (Hokkaido Univ.), H. Eicken (Univ. of Alaska, USA), K. Tateyama (Kitami Inst. of Tech.), T. Takatsuka and T. Kawamura (Hokkaido Univ.)</p>
11:20	<p>G-6 An adaptive algorithms of qualitative interpretation and classification of the data of remote sensing of water surface ◇F.A Mkrtychyan and V.F Krapivin (Inst. of Radioengineering & Electronics RAS, Russia)</p>
12:00	CLOSING ADDRESS <1F Garinko>

POSTER SESSION

- P-1** Methodic approach to problem of distinguishing of nature complexes in Arctic seas region
A.A. Bobkov (St.-Petersburg State Univ., Russia), V.V. Drabkin (Arctic and Antarctic Res. Inst., Russia) and V.Y.Tsepelev (St.-Petersburg Center for Hydrometeorology and Monitoring of Environment, Russia)
- P-2** Changes IRD mineralogical composition in the central of the Okhotsk Sea (core LV28-40) during last glaciation and Holocene
Y.P. Vasilenko and S.A. Gorbarenko (V.I.II'ichev Pacific Oceanological Inst., Russia)
- P-3** New methane anomalies and its content in the marine sediments along the N-S transect across the Sea of Okhotsk
R. Shakirov, A. Gresov, A. Obzhirov and
A. Krasnyuk (V.I.II'ichev Pacific Oceanological Inst., Russia)
- P-4** Carbon system's variability and CO₂ exchange in the East-Siberian Sea coastal zone during fall season (2003-2004)
I.I. Pipko, I.P. Semiletov and S.P. Petrovna (V.I.II'ichev Pacific Oceanological Inst., Russia)
- P-5** The research of upwelling effect on the north-east shelf area of Sakhalin Island based on satellite imaging data (2005-2007)
F.F. Khrapchenkov (V.I.II'ichev Pacific Oceanological Inst., Russia)
- P-6** Sea ice and stock of *Theragra chalcogramma* in the Okhotsk Sea
L. Zverkova (Russian Federal Res. Inst. of Fish. & Oceanography, Russia)
- P-7** New available resource: Ice conditions of the Far Eastern seas. Part 3 - The Japan/East Sea
I. Rostov, A. Pan, V. Plotnikov, A. Gavrev, N. Rudykh and
V. Rostov (V.I.II'ichev Pacific Oceanological Inst., Russia)