

9:00	【OPENING ADDRESS】 Deputy Chair, Symposium Committee Mr. Fusao Saito (Superintendent of Education, City of Mombetsu)
9:10	【K: KEYNOTE ADDRESS】 K-1 Northern sea route and Hokkaido Hiromitsu Kitagawa (Ocean Policy Res. Foundation)
9:50	BREAK
10:00	【S: SPECIAL SESSION IN MEMORIES OF LATE PROFESSOR YUTAKA NAGATA】 <i>(in Japanese language only)</i> Introduction Chair, Yutaka Michida (Univ. Tokyo) Yutaka Michida (Univ. Tokyo)
10:10	S-1 Comparative study on watermass process of Oyashio and Labrador Water Makoto Kashiwai (Fish. -Oceanography Res. Studio "Oyashio-Ya")
10:30	S-2 Quality control and management for ocean interior carbon data in the North Pacific Toru Suzuki (Mar. Information Res. Center)
10:50	S-3 Change of current structure of the Soya Warm Current in summer ◇Masaji Matsuyama, Yasutaka Yano, Yujiro Kitade, Makiko Wadaka, Miho Ishizu Taizo Abe (Tokyo Univ. Mar. Sci. Tech.), Masaaki Aota (Hokkaido Univ.), Yoshio Koike and Yuji Mine (Tokyo Univ. Mar. Sci. Tech.)
11:10	S-4 Simulation of eddy-driven deep circulation in the East Sea (Japan Sea) by using a three-layer model ◇Hong-Ryeol Shin, Yumi Park (Kongju Ntl. Univ., Korea), Jong-Hwan Yoon (Kyushu Univ.) Cheol-Ho Kim (Korea Inst. Ocean Sci. & Tech., Korea) and Yutaka Yoshikawa (Kyoto Univ.)
11:30	S-5 Sea level measurements in polar regions -A review of studies by the late professor Nagata and his colleagues- Yutaka Michida (Univ. Tokyo)
12:00	LUNCH
13:30	【SYMPOSIUM ON LIFE AND CULTURE OF THE PEOPLE RELATED TO SEA ICE】 <i>(in Japanese language only)</i> "Tonkori" - Cry of Land - (Ainu Music Performance) OKI
16:00	BREAK
16:10 17:00	【K: SPECIAL LECTURES】 K-2 Ice research for Kara Sea Anatoliy Polomoshnov (JSC "RN-Shelf-Far East", Russia)
18:30	WHITE CONCERT < OKHOTSK SEA ICE MUSEUM >

	<p>【W II : WORKSHOP, OIL POLLUTION】 <i>(in Japanese language only)</i> Chair, Shin Onuki (Japan Association of Mar. Safety/ OEPN) and Masato Ito (OEPN) Protecting Systems Against Oil Pollution in Extended Area Including Sakhalin II, Recent Situation</p>
10:00	<p>W II -1 Sakhalin-2 Project update Oleg Sapozhnikov (Sakhalin Energy, Russia)</p>
10:20	<p>W II -2 Oil spill response Kuniaki Sasaki (OEPN)</p>
10:55	<p>W II -3 Radar observation of sea ice -present and future- [SPECIAL LECTURES] Yasushi Fujiyoshi (Hokkaido Univ.)</p>
11:30	<p>W II -4 Chair's summary and provision of information Shin Onuki (Japan Association of Mar. Safety)</p>
12:00	LUNCH
	<p>【W: WORKSHOP, BRAINSTORMING OF THE ARCTIC AMPLIFICATION FOR NEXT-GENERATION RESEARCHERS】 <i>(in Japanese language only)</i> Chair, Jun Inoue (NIPR/ JAMSTEC)</p>
13:00	<p>◆ Introduction Jun Inoue (NIPR/ JAMSTEC) 『Winter Cycle Over Eurasia』</p>
13:05	<p>W-1 Environmental changes in cold region in Eurasia and its impact on climate ◇ Yoshihiro Iijima (JAMSTEC) and Tomonori Sato (Hokkaido Univ.)</p>
13:25	<p>W-2 Epoch difference of moisture transport process over Siberia Kazuhiro Oshima (JAMSTEC)</p>
13:45	<p>W-3 Interannual variability of the East Asian winter monsoon and related modulations of the planetary waves Koutarou Takaya (JAMSTEC)</p>
14:05	◆ Discussion
14:15	BREAK
	<p>『Air-sea Interaction at Mid & High Latitudes』 Chair, Koutarou Takaya (JAMSTEC)</p>
14:25	<p>W-4 Variability of winter cyclone migration pattern due to Okhotsk sea ice extension ◇ Masatake E. Hori (JAMSTEC)</p>
14:45	<p>W-5 Relationship between the Barents sea ice retreat and atmospheric response ☆A ◇ Kazutoshi Sato (SOKENDAI/ JAMSTEC), Jun Inoue (SOKENDAI/ JAMSTEC/ NIPR) and Masahiro Watanabe (Univ. Tokyo)</p>
15:05	<p>W-6 Predictability of the Barents sea ice in early winter: Impact of remote effects from the North Atlantic ◇ Takuya Nakanowatari (Hokkaido Univ.), Kazutoshi Sato (SOKENDAI/ JAMSTEC) and Jun Inoue (SOKENDAI/ JAMSTEC/ NIPR)</p>
15:25	◆ Discussion
15:35	BREAK
	<p>『Synergy with Observations and Modelings』 Chair, Masatake E. Hori (JAMSTEC)</p>
15:45	<p>W-7 Simulation on low pressure systems over the Arctic Ocean using a cloud-resolving model ◇ Taro Shinoda, Masaya Kato (Nagoya Univ.), Jun Inoue (NIPR) and Kazuhisa Tsuboki (Nagoya Univ.)</p>
16:05	<p>W-8 An observing system experiment using an ensemble reanalysis (ALERA2) for the predictability of the Arctic cyclone of August 2012 ◇ Akira Yamazaki (JAMSTEC), Jun Inoue (JAMSTEC/ NIPR) and Klaus Dethloff (Alfred Wegener Inst., Germany)</p>
16:25	<p>W-9 Arctic research collaboration for radiosonde observing system experiments (ARCROSE) ◇ Jun Inoue (NIPR/ JAMSTEC), Akira Yamazaki (JAMSTEC), Klaus Dethloff (Alfred Wegener Inst., Germany) and Patti Edwards (Environmental Canada, Canada)</p>
16:45	◆ Discussion
18:30	WHITE CONCERT < OKHOTSK SEA ICE MUSEUM >

	<p>[A: MARINE ORGANISMS AND FISHERIES IN THE ICE-COVERED WATERS] Chair, Atsushi Tanimura (SOKENDAI/ NIPR)</p>
9:00	<p>A-1 Photodamage and recovery of photosynthesis in ice algal community in Saroma-Ko Lagoon, Hokkaido Tomoyo Katayama, Kayoko Takimoto, Shozo Motokawa, Mitsuko Obata and ◇Satoru Taguchi (Soka Univ.)</p>
9:20	<p>A-2 Sea ice may be a direct food source for fish ☆A ◇Motoha Ojima (SOKENDAI), Kunio T. Takahashi, Takahiro Iida, Atsushi Tanimura (SOKENDAI/ NIPR), Naho Miyazaki, Masato Moteki (Tokyo Univ. Mar. Sci. Tech.) and Tsuneo Odate (SOKENDAI/ NIPR)</p>
9:40	<p>A-3 Interannual variations in oceanographic environment in the coastal region around Mombetsu during visit of sea-ice - Results from the oceanographic surveys with Garinko II - ◇Hiromi Kasai (Hokkaido Ntl. Fish. Res. Inst.), Yoko Niimura (Oceanic Planning Co., Ltd.) Ryuichi Nagata (Okhotsk Garinko & Tower Co., Ltd.), Seiji Katakura and Soshi Hamaoka (City of Mombetsu)</p>
10:00	<p>A-4 Comparative study of the validity of three regions of 18S-rRNA gene for massively parallel sequencing-based monitoring of the planktonic eukaryote community ◇Satoshi Nagai, Akifumi S. Tanabe (Ntl. Res. Inst. Fish. Sci.), Kousuke Hida (AXIOHELIX Co. Ltd.), Motoshige Yasuike, Atushi Fujiwara, Yoji Nakamura, Yoshihito Takano (Ntl. Res. Inst. Fish. Sci.) and Seiji Katakura (City of Mombetsu)</p>
10:20	BREAK
	<p>Chair, Satoshi Nagai (Ntl. Res. Inst. Fish. Sci.)</p>
10:30	<p>A-5 Seasonal and inter-annual changes in mesozooplankton community at Mombetsu harbor, Okhotsk Sea ☆A ◇Daichi Arima (Hokkaido Univ.), Soshi Hamaoka, Seiji Katakura (City of Mombetsu) Yoshiyuki Abe (Hokkaido Univ.), Kohei Matsuno (NIPR), Atsushi Yamaguchi and Ichiro Imai (Hokkaido Univ.)</p>
10:50	<p>A-6 Appearance conditions of scallop larvae in Saroma Lake ◇Kimihiro Maekawa (Aquaculture Fish. Cooperative of Saroma Lake) and Shigeru Montani (Hokkaido Univ.)</p>
11:10	<p>A-7 Chemopreventive activity of Pectenolone, carotenoid including scallop on in vitro and in vivo carcinogenesis systems ◇Harukuni Tokuda, Nobutaka Suzuki (Kanazawa Univ.), Masanao Narita (Hokkaido Res. Organization Abashiri Fish. Res. Inst.), Kohji Ebitani (Hokkaido Res. Organization Central Fish. Res. Inst.), Junko Osawa, Kazutoshi Shindo (Nihon Women College) and Takashi Maoka (Res. Inst. Production Develop.)</p>
11:30	<p>A-8 Luminescence inducer of <i>Allivibrio fischeri</i> under artificial sea water ☆A ◇Hitomi Kuwahara, Junko Ninomiya and Hiroshi Morita (Univ. Kitakyushu)</p>
12:00	LUNCH
13:00	<p>[A: MARINE ORGANISMS AND FISHERIES IN THE ICE-COVERED WATERS] ◆👉 See the next page</p>
18:30	DINNER PARTY FOR FRIENDSHIP BETWEEN SCIENTISTS & VOLUNTEERS <MOMBETSU CENTRAL HOTEL>

9:00	<p>【A: MARINE ORGANISMS AND FISHERIES IN THE ICE-COVERED WATERS】</p> <p>◆ See the previous page</p>
12:00	LUNCH
13:00	<p>【A: MARINE ORGANISMS AND FISHERIES IN THE ICE-COVERED WATERS】 Chair, Yasuyuki Miyakoshi (Salmon & Freshwater Fish. Res. Inst.)</p> <p>A-9 The seed production of blue king crab ◇Hajime Matsubara, Yuki Kubara, Shintaro Okamoto, Hisanori Iwamoto, Keito Kinoshita, Shyoji Saito, Aya Takada, Shota Mamada, Yuka Nagahashi, Maho Matsuo, Yoshimi Kiguchi and Ken-ichi Watanabe (Tokyo Univ. Agriculture)</p> <p>A-10 Possible existence of predicting factors for the rostral shift of the pelvic fins in Japanese smelt ☆A ◇Yuki Kubara and Hajime Matsubara (Tokyo Univ. Agriculture)</p> <p>A-11 What factors led to the reduction in the number of Japanese smelt (<i>Hypomesus nipponensis</i>) eggs collected in spring 2013 in Lake Abashiri? ◇Shuichi Mano, Hirofumi Hayano (Salmon & Freshwater Fish. Res. Inst.) and Toshifumi Kawajiri (Nishi-Abashiri Fish. Cooperative)</p>
14:00	BREAK
14:10	<p>Chair, Hajime Matsubara (Tokyo Univ. Agriculture)</p> <p>A-12 Current status of pink salmon in Hokkaido, northern Japan ◇Yasuyuki Miyakoshi, Makoto Fujiwara and Mitsuru Torao (Salmon & Freshwater Fish. Res. Inst.)</p> <p>A-13 Economic characteristics of fish stocks in the subarctic ocean Ikutaro Shimizu (Ntl. Res. Inst. Fish. Sci.)</p> <p>A-14 Role of eagles in the flow of marine-derived nutrients into a terrestrial ecosystem ☆A ◇Kei Matsumoto, Keisuke Nakayama, Shuhei Takahashi (Kitami Inst. Tech.) Kenta Watanabe and Tomohiro Kuwae (Port & Airport Res. Inst.)</p>
15:10	BREAK
15:20	<p>◆Reports of Okhotsk Tokkari Center Chair, Yoshitsugu Hirosaki (Okhotsk Tokkari Center) <i>(in Japanese language only)</i></p> <p>A-15 A study on periodical blood tests of seals ◇Masako Okazaki and Yoshitsugu Hirosaki (Okhotsk Tokkari Center)</p> <p>A-16 Protection of spotted seals <i>Phoca largha</i>, ringed seals <i>Phoca hispida</i> and ribbon seals <i>Phoca fasciata</i> during the period from 2007 to 2013 ◇Naho Furukawa and Yoshitsugu Hirosaki (Okhotsk Tokkari Center)</p> <p>A-17 Physical condition of a ribbon seal <i>Phoca fasciata</i> pup at the early stage after its rescue and a change in its weight ◇Miyu Takahashi and Yoshitsugu Hirosaki (Okhotsk Tokkari Center)</p> <p>A-18 Diving duration of 3 kinds of seals in the daytime ◇Megumi Imai, Natsuki Miyazawa and Yoshitsugu Hirosaki (Okhotsk Tokkari Center)</p>
18:30	DINNER PARTY FOR FRIENDSHIP BETWEEN SCIENTISTS & VOLUNTEERS <MOMBETSU CENTRAL HOTEL>

	<p>【B: COLD REGIONS TECHNOLOGY】 Chair, Shotaro Uto (NMRI)</p>
9:00	<p>B-1 Arctic climate and agricultural production Kanichiro Matsumura, ◇Moe Kadota (Kwansei Gakuin Univ.) and Motoyoshi Ikeda (JAMSTEC)</p>
9:20	<p>B-2 Improvement of facilities for model ice generation and measuring methods of the characteristics in KRISO ice model basin ◇Jungseok Ha, Kukjin Kang, Chunju Lee and Sungho Kang (Korea Res. Inst. of Ships & Ocean Engineering, Korea)</p>
9:40	<p>B-3 Numerical prediction for motions of platform supply vessel with forward movement in regular wave Huiseung Park, ◇Hoyun Jang, Songhan Jin and Junwoong Choi (Res. Inst. of Medium & Small Shipbuilding, Korea)</p>
10:00	<p>B-4 Numerical analysis of ice breaking drag of level ice ◇Youngmin Kim (Cuber Solution Co. Ltd., Korea), Sungsu Lee (Chungbuk Ntl. Univ., Korea) and Chunju Lee (Mar. Transportation Res. Division, Korea)</p>
10:20	<p>BREAK</p>
	<p>Chair, Koh Izumiyama (North Japan Port Consultant Ltd.)</p>
10:30	<p>B-5 Verification of the simple calculation method of resistance in floe ice by the field measurement in the Sea of Okhotsk ◇Shotaro Uto, Tadanori Takimoto, Haruhito Shimoda, Daisuke Wako and Takatoshi Matsuzawa (NMRI)</p>
10:50	<p>B-6 Ice roads construction on the Sakhalin Island Anatoly M. Polomoshnov (JSC "RN-Shelf-Far East", Russia)</p>
11:10	<p>B-7 Kinetics and kinematics of process action ice fields on offshore structures Vladimir G. Tsuprik (Far Eastern Federal Univ., Russia)</p>
11:30	<p>B-8 Vibration analysis of offshore structures by collision of ice floes ◇Kouichi Sato (Tech. Center, Taisei Co.), Keiji Kitajima, Mitsukazu Nakanishi and Hiromi Adachi (Nihon Univ.)</p>
11:50	<p>B-9 Features of sedimentation during the Tohoku tsunami of 11 March 2011 with ice in South Kurils ◇Larisa A. Ganzey, N. G. Razjigaeva, T. A. Grebennikova, E. D. Ivanova (Pacific Geographical Inst., RAS, Russia), A. A. Kharlamov (P. P. Shirshov Inst. Oceanology, RAS, Russia) and V. M. Kaistrenko (Inst. Mar. Geology & Geophysics, RAS, Russia)</p>
12:10	<p>LUNCH</p>
13:00	<p>【S: SPECIAL SESSION, PROGRESS OF RESEARCH ON THE ARCTIC SEA ROUTES】 ◆👉 See the next page</p>
18:30	<p>DINNER PARTY FOR FRIENDSHIP BETWEEN SCIENTISTS & VOLUNTEERS <MOMBETSU CENTRAL HOTEL></p>

9:00	<p>【B: COLD REGIONS TECHNOLOGY】</p> <p>◆ See the previous page</p>
12:10	LUNCH
	<p>【S: SPECIAL SESSION, PROGRESS OF RESEARCH ON THE ARCTIC SEA ROUTES】</p> <p style="text-align: right;">Chair, Jun Ono (NIPR/ Univ. Tokyo)</p>
13:00	<p>S-6 Modeling study of sea ice for the northern sea route: toward the short-term prediction ◇Jun Ono, Liyanarachchi Waruna Arampath De Silva (NIPR/ Univ. Tokyo) and Hajime Yamaguchi (Univ. Tokyo)</p>
13:20	<p>S-7 A high-resolution hindcast study for the northern sea route ☆A ◇Liyanarachchi Waruna Arampath De Silva (Univ. Tokyo/ NIPR), Hajime Yamaguchi (Univ. Tokyo) and Jun Ono (Univ. Tokyo/ NIPR)</p>
13:40	<p>S-8 Factors controlling the summer sea-ice cover in the Arctic: a way to improve the accuracy of medium-range forecast of summer ice area ◇Noriaki Kimura (NIPR/ Univ. Tokyo), Yuya Nakano and Hajime Yamaguchi (Univ. Tokyo)</p>
14:00	<p>S-9 Obstacle avoidance and path planning in ice sea using probabilistic roadmap method ◇Toshiyuki Takagi (Kushiro Ntl. College Tech.), Kazutaka Tateyama (Kitami Inst. Tech.) and Toshihiko Ishiyama (Kushiro Ntl. College Tech.)</p>
14:20	<p>S-10 Numerical simulation of ship collision with a single ice floe second report: simulation with overset method ◇Tatsuya Shigihara, Daisuke Ishibashi and Akihisa Konno (Kogakuin Univ.)</p>
14:30	<p>S-11 Numerical estimation of channel resistance with model CCGS Terry Fox ◇Fumiya Matsuzaki and Akihisa Konno (Kogakuin Univ.)</p>
14:40	<p>S-12 Investigation of flow simulation method for ship interaction with ice pieces ◇Yuki Ogawa and Akihisa Konno (Kogakuin Univ.)</p>
14:50	BREAK
	Chair, Noriaki Kimura (NIPR/ Univ. Tokyo)
15:00	<p>S-13 Field investigations of impinging seawater spray and spray icing on icebreaker Soya 2 ◇Toshihiro Ozeki (Hokkaido Univ. Education), Satoru Adachi (Ntl. Res. Inst. for Earth Sci. & Disaster Prevention), Haruhito Shimoda, Daisuke Wako, Tadanori Takimoto and Takatoshi Matsuzawa (NMRI)</p>
15:20	<p>S-14 Trial of vessel monitoring on NSR by satellite AIS ◇Motohisa Abe (Ntl. Inst. for Land & Infrastructure Mgt.), Koichi Oshimura (JAXA) Tsuyoshi Tanimoto (Ntl. Inst. for Land & Infrastructure Mgt.) and Ayano Nishikawa (JAXA)</p>
15:40	<p>S-15 Development of “VESTA” -Navigation performance simulator in ice-free waters- and its application to Arctic navigation ☆A ◇Naoto Sogihara, Takatoshi Matsuzawa and Shotaro Uto (NMRI)</p>
16:00	<p>S-16 Ice concentration and navigability of the northern sea route ☆A ◇Yuya Nakano (Univ. Tokyo), Natsuhiko Otsuka (North Japan Port Consultant Ltd.) Tomoki Sumida, Toshihiko Mori, Toshiya Koenuma, Katsuya Shiotsubo, Ryuichi Uda and Koki Maeoka (Univ. Tokyo)</p>
16:20	<p>S-17 Cost analysis of northern sea route shipping ◇Natsuhiko Otsuka (North Japan Port Consultant Ltd.), Yuya Nakano, Yuta Adachi, Sakumi Iki Yuka Kamiko, Santamol Kaewngern, Mayuna Hoshi and Kohei Yamashita (Univ. Tokyo)</p>
16:40	<p>S-18 Human dimensions in the Arctic shipping ◇Hiromitsu Kitagawa and Eiji Sakai (Ocean Policy Res. Foundation)</p>
17:00	<p>S-19 Observation of sea ice condition along the Northwest Passage using the satellite passive microwave radiometer AMSR2 ◇Kazutaka Tateyama, Yasuhiro Tanaka (Kitami Inst. Tech.), Yuya Nakano (Univ. Tokyo) Genki Sagawa (Weathernews Inc.), Jun Ono (Univ. Tokyo/ NIPR) and Toshiyuki Takagi (Kushiro Ntl. College Tech.)</p>
18:30	DINNER PARTY FOR FRIENDSHIP BETWEEN SCIENTISTS & VOLUNTEERS <MOMBETSU CENTRAL HOTEL>

	[C: MARINE REMOTE-SENSING] Chair, Hiroyuki Enomoto (NIPR)
9:00	C-1 Review of studies of the environment by remote sensing data in the Sakhalin State University ◇Vyacheslav A. Melkiy, V. M. Pishchalnik, Vladimir V. Il'in, A. A. Gal'tsev, O. M. Zaripov A. A. Verkhoturov, I. V. Eremenko and Ya. P. Belyanina (Technical Oil & Gas Inst., Sakhalin State Univ., Russia)
9:20	C-2 Ice covered seas and coastal regions monitoring using Arctic Data archive System (ADS) I ◇Hiroyuki Enomoto (NIPR), Nuerasimuguli Alimasi (NIPR/ Kitami Inst. Tech.) Takeshi Sugimura (NIPR) and Hironori Yabuki (NIPR/JAMSTEC)
9:40	C-3 Ice covered seas and coastal regions monitoring using Arctic Data archive System (ADS) II ☆A ◇Nuerasimuguli Alimasi (NIPR/ Kitami Inst. Tech.), Takeshi Sugimura (NIPR) Hironori Yabuki (NIPR/JAMSTEC) and Hiroyuki Enomoto (NIPR)
10:00	BREAK
10:10	C-4 Distribution and seasonal variation of halocline in the world ocean ☆A ◇Hiromichi Ueno and Katsura Yasui (Hokkaido Univ.)
10:30	C-5 Long-term trends of nutrients and apparent oxygen utilization south of the Polar front in southern ocean intermediate water from 1965 to 2008 ☆A ◇Takahiro Iida, Tsuneo Odate and Mitsuo Fukuchi (NIPR/ SOKENDAI)
10:50	C-6 Monthly variations of hydrographic structures off the Doto area, Japan ◇Akira Kusaka (Ntl. Fish. Res. Inst.) and Jiro Yoshida (Tokyo Univ. Mar. Sci. Tech.)
11:10	C-7 Effect of sea ice on spatial and temporal variation of spring bloom in the Sea of Okhotsk ☆A ◇Makoto Kayano (Univ. Tokyo), Noriaki Kimura (Univ. Tokyo/ NIPR), Yuya Nakano and Hajime Yamaguchi (Univ. Tokyo)
11:30	C-8 Numerical study on a self-melting system of sea ice through eddy formation ☆A ◇Keisuke Nagakawa, Hajime Yamaguchi (Univ. Tokyo) and Jun Ono (Univ. Tokyo/ NIPR)
12:00	LUNCH
18:30	DINNER PARTY FOR FRIENDSHIP BETWEEN SCIENTISTS & VOLUNTEERS <MOMBETSU CENTRAL HOTEL>

	<p>【D: COLD REGIONS OCEANOGRAPHY AND SEA ICE】 Chair, Akihisa Konno (Kogakuin Univ.)</p>
9:00	<p>D-1 The formation process of granular ice of the seawater in laboratory experiments ◇Haruka Koda and Takenobu Toyota (Hokkaido Univ.)</p>
9:20	<p>D-2 A study of formation processes of supercooled water and frazil ice in a coastal polynya ◇Masato Ito, Kay I. Ohshima, Yasushi Fukamachi (Hokkaido Univ.), Daisuke Simizu (NIPR) Katsushi Iwamoto (NIPR/ Niigata Univ.), Yoshimasa Matsumura (Hokkaido Univ.) Andrew R. Mahoney and Hajo Eicken (Univ. Alaska, USA)</p>
9:40	<p>D-3 Weather and water temperature in the Sea of Okhotsk, Hokkaido coast ◇Katsushi Murai (Okhotsk Sea Ice Lab.)</p>
10:00	<p>D-4 Growth modes of frost flower and comparison to snow crystal ◇Toshihiko Ishiyama and Toshiyuki Takagi (Kushiro Ntl. College Tech.)</p>
10:20	<p>D-5 First expedition of the Far Eastern Floating University in the Russian Eastern Arctic ◇Pavel Salyuk (Mar. State Univ. named after Admiral G.I. Nevelskoi/V.I. Il'ichev's Pacific Oceanological Inst., Russia), Oleg Bukin (Mar. State Univ. named after Admiral G.I. Nevelskoi/ Inst. of Automation & Control Processes, Russia), Ekaterina Sokolova (Mar. State Univ. named after Admiral G.I. Nevelskoi/ Inst. of Automation & Control Processes, Russia) and Denis Burov (Mar. State Univ. named after Admiral G.I. Nevelskoi, Russia)</p>
10:50	<p>D-6 Spectroellipsometry opportunities in the monitoring of aquatic ecosystems ◇Ferdinand A. Mkrtchyan and V. F. Krapivin (Inst. Radioengineering & Electronics RAS, Russia)</p>
11:30	<p>【CLOSING SESSION】 A Review of the Symposium: Prize-awarding Ceremony of the Aota Masaaki Award: Closing Remarks: Fusao Saito (Deputy Chair of the Symposium Committee)</p>
12:00	LUNCH
13:00	<p>【M : Public Program, SYMPOSIUM ON THE FOREST-OCEAN LINKAGE】 <i>(in Japanese language only)</i></p>
14:50	BREAK
15:00	<p>【M: Public Program, OUR HOME OKHOSTK SEA】 <i>(in Japanese language only)</i></p>

【P: POSTER SESSION】

- P-1 Features of atmospheric regime, formed over the Far Eastern Seas in the autumn and winter seasons 2000s, and its effect on the thermal conditions in the Japan, Okhotsk and Bering Seas
Svetlana Yu. Glebova (TINRO-Centre, Russia)
- P-2 Water masses in the northwestern part of the Sea of Japan in the spring of 2013
Boris S. Dyakov (TINRO-Centre, Russia)
- P-3 Seasonal variability of water over the slope of the northern Okhotsk Sea
Alexander Figurkin and Sergei Dudkov (TINRO-Centre, Russia)
- P-4 On ice concentration retrieval using radiometer data from Chinese marine satellite (HY-2): validation and Arctic application
Lijian Shi (Ntl. Satellite Ocean Application Service, Korea), Bin Cheng (Finnish Meteorological Inst., Finland), Qimao Wang (Ntl. Satellite Ocean Application Service, Korea), Juha Karvonen (Finnish Meteorological Inst., Finland) and Bin Zou (Ntl. Satellite Ocean Application Service, Korea)
- P-5 The organic carbon cycle in conditions of freezing seas
Vladimir F. Krapivin and Vladimir Yu. Soldatov (Kotelnikov Inst. of Radioengineering & Electronics, Russia)
- P-6 Hydrochemical conditions of the southern of Okhotsk Sea in the autumn of 2013
Vladimir I. Matveev and Denis N. Chulchekov (TINRO-Centre, Russia)
- P-7 The spatial distribution of *Bothrocara brunneum* (Perciformes: Zoarcidae) in Okhotsk Sea
Oleg Z. Badaev (TINRO-Centre, Russia)
- P-8 Reproductive and nursery potential of nearshore area in the East of Tatarskyi Strait
Olga Nikolayevna Moukhametova (SakhNIRO, Russia)
- P-9 The basic methods of stock assessment, the total allowable catch (TAC) of fish in the Sea of Okhotsk used to FSUE " TINRO-Centre " in the 2000 years
Gennady M. Gavrilov (TINRO-Centre, Russia)
- P-10 Relationship between methane fluxes, gas hydrate and seismic activity in the Okhotsk Sea
Anatoly Obzhirov (V.I. Il'ichev Pacific Oceanological Inst., Russia)
- P-11 Western pacific gas hydrate belt
Renat Shakirov (V.I. Il'ichev Pacific Oceanological Inst., Russia)
- P-12 Probabilistic estimation of ice loads on GBS platforms in the Sea of Okhotsk for Sakhalin-II Project
Olga A. Sabodash and Tatyana A. Pyisina (Far Eastern Federal Univ., Russia)