POC Paper Session

Co-convenors: Michael G. Foreman (Canada) and Ichiro Yasuda (Japan)

Papers are invited on all aspects of physical oceanography and climate in the North Pacific and its marginal seas (except S2, S9 and S11 topics).

Wednesday, Oct. 31, 2007 09:00 – 15:40

09:00 **Phyllis J. Stabeno and James E. Overland**
New climate states during the last decade in the North Pacific (POC_P-4403)

09:20 **Kenneth F. Drinkwater, Cecilie Broms, Kevin Friedland, Jon Hare, George Hunt Jr., Webjørn Melle, Franz J. Mueter and Maureen Taylor**
Comparison of 4 Northern Hemisphere regions: Physical oceanographic responses to recent climate variability (POC_P-4402)

09:40 **Fangli Qiao, Yongzeng Yang, Zhenya Song, Guohong Fang and Yeli Yuan**
The role of the ocean in East Asian climate change (POC_P-4483)

10:00 **Ichiro Yasuda**
The 18.6-year nodal tidal cycle and bidecadal ENSO/PDO (POC_P-4347)

10:20 **Patrick Cummins and Howard Freeland**
Variability of the North Pacific Current and its bifurcation (POC_P-4453)

10:40 ***Coffee / tea break***

11:00 **Richard E. Thomson, Georgy V. Shevchenko and Alexander B. Rabinovich**
Coastally trapped diurnal waves observed along the South Kuril Islands (POC_P-4078)

11:20 **Viacheslav G. Makarov, Valentina D. Budaeva and Oleg V. Zaitsev**
Summer density distribution near the north-eastern coast of Sakhalin based on the parametric modeling of vertical structure (POC_P-4167)

11:40 **George V. Shevchenko and Alexander A. Romanov**
Wave structure of tidal motions near the North Kuril Islands as revealed from the satellite altimetry measurements (POC_P-4101)

12:00 **Satoshi Osafune and Ichiro Yasuda**
Bidecadal variation in the region south of Japan and relation between the large meander of the Kuroshio and the 18.6-year period nodal tidal cycle (POC_P-4351)

12:20 **Konstantin Rogachev**
Zonal jet streams in the Pacific western subarctic (POC_P-4172)

12:40 ***Lunch***

14:00 **Howard J. Freeland, P.G. Myers and M. Li**
Mixed-layer depths along Line-P - The annual cycle and recent variability (POC_P-4299)

14:20 **Hiromichi Ueno, H.J. Freeland, W.R. Crawford, H. Onishi, E. Oka and T. Suga**
Anticyclonic eddies in the Alaskan Stream (POC_P-4449)

14:40 **Carol Ladd, W.R. Crawford, W.K. Johnson, N.B. Kachel, P.J. Stabeno and F. Whitney**
Eddies in the eastern Gulf of Alaska (POC_P-4222)

15:00 **Maxim V. Krassovski and Richard E. Thomson**
The California Undercurrent off the west coast of Vancouver Island (POC_P-4186)

15:20 **Oleg Zaitsev, Carlos J. Robinson and Orzo Sanchez-Montante**
Seasonal variability of oceanographic conditions on the Pacific continental shelf of the southern Baja California peninsula (POC_P-4116)

Thursday, Nov. 1, 2007 09:00 – 17:20

09:00 **Ig-Chan Pang and Jae-Hong Moon**
Seasonal circulation in the Yellow Sea and the East China Sea (POC_P-4149)

09:20 **Xingang Lü, Fangli Qiao and Changshui Xia (CANCELLED)**
A fresh look at an old question: The mechanism of coastal upwelling in the East China Sea (POC_P-4243)

09:40 **Tsuyoshi Wakamatsu, Michael Foreman, Patrick Cummins and Josef Cherniawsky**
On the influence of random wind stress errors on the four-dimensional, mid-latitude, ocean inverse problem (POC_P-4496)

10:00 **Young-Gyu Park and Sang-Wook Yeh**
The effects of the Tsushima Warm Current on the East/Japan Sea (POC_P-4179)

10:20 **Victor I. Kuzin, Elena N. Golubeva and Gennady A. Platov**
Numerical simulation of the propagation of the Bering Sea and Siberian river waters to the Arctic – North Atlantic (POC_P-4439)

10:40 ***Coffee / tea break***

11:00 **Isaac D. Schroeder, Thomas C. Royer and Chester E. Grosch**
Ekman pumping along the Seward Line in the Northern Gulf of Alaska (POC_P-4378)

11:20 **Nadja Steiner, Svein Vagle, Ken Denman and Craig McNeil**
Gas exchange at Station Papa – Simulated and observed O_2, N_2 and CO_2 cycling (POC_P-4096)

11:40 **Masahiro Yagi and Ichiro Yasuda**
Variability of vertical diffusivity at the eastern gap of the Bussol' Strait (POC_P-4360)

12:00 **Hee-Dong Jeong, Yeong Gong, Yang Ho Choi and Chang Su Jeong**
Physical oceanographic features of HABs in the southern coast of Korea (POC_P-4333)

12:20 **Masatoshi Sato and Tokihiro Kono**
Baroclinic structure in the subarctic gyre of the North Pacific from the Argo float CTD data (POC_P-4339)

12:40 ***Lunch***

14:00 **Tokihiro Kono, Masatoshi Sato and Tsutomu Ikeda**
A mixing process of the Oyashio water as revealed by sequential observations off southeast Hokkaido, Japan (OECOS-WEST) (POC_P-4111)

14:20 **Olga Trusenkova, Vyacheslav Lobanov and Dmitry Kaplunenko**
SST anomalies related to wind stress curl patterns in the Japan/East Sea (POC_P-4064)

14:40 **Byung-Ho Lim, Kyung-Il Chang, Mark Wimbush, Jae-Hun Park, Magdalena Andres and JongJin Park**
Near 60-day variation of the Kuroshio observed in the East China Sea (POC_P-4424)

15:00 **Fei Yu**
Observational evidence of the Yellow Sea Warm Current (POC_P-4482)

15:20 **Natalia Rudykh**
Salinity variability in the Japan/East Sea (POC_P-4163)

15:40 ***Coffee / tea break***

16:00 **Gennady I. Yurasov and Natalia I. Rudykh**
Some features of Peter the Great Bay hydrological regime in the fall–winter period (POC_P-4320)

16:20 **Hitoshi Kaneko and Ichiro Yasuda**
Current and turbulent observations of North Pacific intermediate water in the Kuroshio-Oyashio confluence region (POC_P-4362)

16:40 **Dejun Dai, Fangli Qiao and Yeli Yuan**
Using the transform method to study the generation of internal tides (POC_P-4481)

17:00 **Vadim V. Navrotsky**
On the World Ocean as the primary natural cause of Global Climate Change (POC_P-4110)

POC Paper Posters

POC_P-4115 **Talgat R. Kilmatov and Vera A.Petrova**
Why and when is the jet of the Kuroshio Extension destroyed?

POC_P-4146 **Valentina V. Moroz and K.T. Bogdanov**
Water structure and circulation variability in the Komandor-Kamchatka area

POC_P-4164 **Sachiko Oguma, Tsuneo Ono and Akira Kusaka**
Interannual variation of the water mass mixing ratio in spring revealed by $\delta^{13}C$-$\delta^{18}O$ distribution in the coastal region off eastern Hokkaido

POC_P-4168 **Viacheslav G. Makarov and Sergei N. Bulgakov**
Modeling of barotropic eddy evolution near a chain of islands

POC_P-4171 **Konstantin A. Rogachev, Eddy C. Carmack and Michael G. Foreman**
Mechanisms of lateral circulation in Academy and other bays of the Shantar Archipelago, Sea of Okhotsk

POC_P-4194 **Galina A. Vlasova**
Influence of atmospheric processes on water circulation in the 200-m layer of the Sea of Okhotsk on the basis of modelling

POC_P-4205 **Nandita Sarkar, Thomas C. Royer and Chester E. Grosch**
Are deepening mixed layers responsible for transporting deep nutrients into surface waters in the northern Gulf of Alaska?

POC_P-4210 **Antonina M. Polyakova**
Extreme distribution of floating ice in the NW Pacific

POC_P-4233 **Vladimir Ponomarev, N.I. Savelieva and E.V. Dmitrieva**
Amur River discharge, ice cover of the Okhotsk Sea, Tatar Strait and the atmospheric indices of the Asia-Pacific region – The assessment of relationships

POC_P-4238 **Antonina M. Polyakova**
Atmospheric circulation over the Northern Pacific

POC_P-4321 **Alexander A. Nikitin and Genady I. Yurasov**
Surface thermal fronts in the Japan/East Sea

POC_P-4323 **Larisa S. Muktepavel**
Spatial-temporaral variability of shore polynias in the northern Sea of Okhotsk

POC_P-4337 **Hong Sik Min, Young Ho Kim and Cheol-Ho Kim**
Year-to-year variability of cold water in the southwestern region of the East/Japan Sea

POC_P-4348 **Ichiro Yasuda, Sachihiko Itoh, Masahiro Yagi, Satoshi Osafune, Hitoshi Kaneko, Hideo Nagae, Takeshi Nakatsuka and Jun Nishioka**
Turbulence observations around the Kuril Straits

POC_P-4350 **Sung-Tae Jang, Jae Hak Lee, Chang-Woong Shin and Chang-Su Hong**
Vertical mixing in the Ulleung Basin in the East/Japan Sea

POC_P-4497 **Tsuyoshi Wakamatsu and Michael Foreman**
Data assimilation studies at the Institute of Ocean Sciences for estimating the North Pacific Ocean circulation