

Theme 2 Ecosystem productivity and structural responses to physical forcing, with an emphasis on shorter than inter-decadal time-scales; interannual (El Niño-La Niña), seasonal and event scales

Thursday, April 20, 2006 8:30-20:00

- 08:30-09:05 **Sinjae Yoo and Harold Batchelder** (Invited)
Seasonal, inter-annual and ENSO scale changes in the North Pacific ecosystems (T2-2701)
- 09:05-09:30 **Albert J. Hermann, Thomas M. Powell, Elizabeth L. Dobbins, Enrique N. Curchitser and Dale B. Haidvogel**
A model-based investigation of lower trophic level covariance across the Northeast Pacific on interannual time scales (T2-2692)
- 09:30-09:55 **Vera N. Agostini, Jodie E. Little, J.C. Field, Robert C. Francis and Anne B. Hollowed**
Hake habitat in the California Current System: Distribution, dynamics and ecosystem implications (T2-2707)
- 09:55-10:20 **Jodie E. Little, R.C. Francis, M.G. Dalton and J.C. Field**
Quantifying tradeoffs between ecology, economy and climate in the northern California Current ecosystem (T2-2694)
- 10:20-10:45 **Coffee Break**
- 10:45-11:10 **Miriam J. Doyle, Susan J. Picquelle, Kathryn L. Mier and Mick Spillane**
Climate-ecosystem connections in the Northeast Pacific Ocean: Linkages between Gulf of Alaska ichthyoplankton and physics at the local and basin scales (T2-2652)
- 11:10-11:35 **Alexei I. Pinchuk, Kenneth O. Coyle and Russell R. Hopcroft**
Climate-related changes in abundance and reproduction of dominant euphausiids in the northern Gulf of Alaska in 1998-2004 (T2-2661)

- 11:35-12:00 **Thomas C. Kline, Jr.**
Salmon meta-population response to oceanic carbon subsidies during early marine feeding: Climate change implications (T2-2656)
- 12:00-13:15 **Lunch**
- 13:15-13:40 **Sukyung Kang, Ki Baik Seong, Chae Sung Lee, Young Hee Hur and Cheul Ho Lee**
The impacts of environmental variations on long-term changes of biological characteristics and run timing of Korean chum salmon (*Oncorhynchus keta*) (T2-2702)
- 13:40-14:05 **Bernard A. Megrey, George L. Hunt, Jr. and Jeffrey M. Napp**
Do pollock have an impact on planktivores in the eastern Bering Sea? (T2-2689)
- 14:05-14:30 **Alexei M. Orloy and Vasily A. Ul'chenko**
Multi-annual changes of bottom temperatures in the Pacific off the North Kurils and South Kamchatka and demography of selected groundfish species (T2-2638)
- 14:30-14:55 **Jeffrey J. Polovina, Fei Chai, Donald Kobayashi, Lei Shi and Yi Chao**
North Pacific ecosystem dynamics investigated with satellite remotely sensed oceanographic data and a coupled physical-ecosystem model, 1990-2004 (T2-2636)
- 14:55-15:25 **Coffee Break**
- 15:25-15:50 **Eun Jung Kim, Suam Kim and Dae-Yeon Moon**
The responses in distribution and biology of tropical tuna species in relation to ENSO (T2-2669)
- 15:50-16:15 **Jason D. Baker, Jeffrey J. Polovina and Evan A. Howell**
Apparent link between survival of juvenile Hawaiian monk seals and ocean productivity (T2-2635)
- 16:15-16:40 **Kerim Aydin and the CCCC CFAME Task Team**
Redefining carrying capacity ten years onward? CCCC research on a moving target (T2-2686)

16:40-17:15 **Discussion**

17:15-20:00 **Evening Poster Session**

Posters

Harold P. Batchelder, Enrique Curchitser, Leah R. Feinberg, C. Tracy Shaw and William T. Peterson

Influence of currents, topography and behavior in controlling euphausiid distributions in the northern California Current (T2-2677)

Tatyana A. Belan and Ludmila S. Belan

Long-term changes of marine environment in the coastal zone of Peter the Great Bay (Sea of Japan) (T2-2634)

Nicholas A. Bond, D.V. Holliday, Calvin W. Mordy, Jeffrey M. Napp and Phyllis J. Stabeno

Linkages between physical conditions in the coastal Gulf of Alaska and zooplankton biomass and size composition during 2002-04 (T2-2684)

Hyo Choi

Effect on typhoon Songda (2004) influenced upon the variation of sea surface temperature in the eastern coastal sea of Korea (T2-2716)

K. David Hyrenbach, David J. Anderson, Yann Tremblay, Scott A. Shaffer, Michelle Antolos, Daniel P. Costa, Steven J. Bograd, Dave Foley, Daniel M. Palacios, Elizabeth N. Flint and Maura B. Naughton

North Pacific albatross response to a dynamic oceanic habitat: Interannual variability in the Transition Zone Chlorophyll Front (T2-2703)

Gail V. Irvine, Scott J. Carpenter and Jeff Barnhart

Stable isotope ratios of modern Alaskan bivalve shells: Monitoring Gulf of Alaska coastal ocean dynamics during recent El Niño-La Niña events (T2-2696)

Jaime Jahncke, Benjamin L. Saenz, Chris Rintoul, Russell Bradley and William J. Sydeman

Krill and krill-predator responses to short-time scale variability in wind-driven upwelling in the Gulf of the Farallones, California (T2-2687)

Gennady A. Kantakov

Is so clear climate signal in the Pacific North-West SubArctic for the marine ecosystem bottom level? (T2-2662)

Yasunori Sakurai, Sachi Miyanaga, Jun Yamamoto and Ken Mori

How environmental factors affect the stock size of ommastrephid squid, *Todarodes pacificus* - A possible scenario (T2-2718)

Shanmuganandan Samarajalingam

Climate variability and ecosystem impacts on the North Pacific: A study with reference to identification of major determinants of decadal variability in the marine ecosystem of North Pacific region (T2-2207)

Yulia N. Tananaeva and Marat A. Bogdanov

Interannual variability in development of the seasonal processes and their possible influence on fishery resources of the North Atlantic and North Pacific (T2-2643)

Galina A. Vlasova

Estimation of the hydrodynamic regime of the water movement under the influence of the atmospheric processes in the Bering and Okhotsk Seas (T2-2285)

Thomas C. Wainwright

Short-term predictability of plankton production in a coastal upwelling zone (T2-2683)

Taketo Hashioka and Yasuhiro Yamanaka

Determination mechanism of seasonal and regional variations of phytoplankton groups by top-down and bottom-up controls obtained by a 3-D ecosystem model (T2-2679)