

# Program for the 3rd Nordic Marine Sciences Conference Version Oct. 16, 2006

## Wednesday, Nov. 1st

Time	Program	
<b>10:30</b>	<b>REGISTRATION</b> (continues during poster session)	
<b>11:30</b>	<b>LUNCH</b>	
<b>13:00</b>	<b>Introduction by NHF chairman Gunilla Rosenqvist</b>	
<b>13:20</b>	<b>Ursula Schauer, Alfred-Wegener Inst., Germany. <i>The changing Arctic ocean</i></b>	
	<b>S1A. Changing Arctic</b> Plenum room. Chair: Anders Tengberg	<b>S1B. Sediments, Denitrification</b> Holmen Room. Chair: Ketil Hylland
<b>14:00</b>	Anna Nikolopoulos & Robert S. Pickart Where did all the water go? - A study of the western Arctic boundary current	Kristina Sundbäck Retention of nutrients in non-tidal sediments - role of algae and denitrification
<b>14:20</b>	Haakon Hop & Olga Pavlova Potential loss of ice-associated biomass transport from the Arctic Ocean to Fram Strait and the Barents Sea due to climate warming	Signe Ingvardsen et al. Foraminiferal denitrification in the oxygen minimum zone off Chile
<b>14:40</b>	Lene Buhl-Mortensen & Pål B. Mortensen Distribution of megafauna and indications of fisheries damage revealed from visual inspections during the first MAREANO cruise in the southern Barents Sea	Dale, Barrie The sedimentary record of dinoflagellate cysts in Scandinavian coastal waters: Sorting out the signals
<b>15:00</b>	Kristin Hatlen et al. Biological effects of water soluble fraction of oil on the Arctic sea ice amphipod <i>Gammarus wilkitzkii</i>	Jussi Evertsen Functional chloroplasts in herbivore opisthobranchs - robust cytoplasts with their own lunch
<b>15:20</b>	<b>COFFEE/FRUIT</b>	
<b>15:40</b>	<b>Short presentations given by exhibiting companies</b> Plenary room. Chair: Anders Tengberg	
<b>16:30</b>	<b>POSTER SESSION I (room 4) with COMPANY EXHIBITION AND CONTINUED REGISTRATION</b>	
<b>18:00</b>	<b>RECEPTION</b>	
<b>19:30</b>	<b>DINNER</b>	

Thursday, Nov. 2nd, morning

09:00	Introduction of the day		
09:05	Tom Fenchel, Univ. Copenhagen, Denmark. <i>Microbial motile behaviour</i>		
	<b>S2A. Microbes and plankton Plenary room chair: Fredrika Norrbin</b>	<b>S2B. Physical oceanography Holmen room chair: Philip Axe</b>	<b>S2C. Fish and environment Cinema room chair: Lena Bergström</b>
09:40	Jarone Pinhassi & Thomas Pommier Phylogenetic diversity and biogeography of marine bacteria in the <i>Bacteroidetes</i> phylum	Anders Engqvist Archipelagian medley	Einar Svendsen et al An ecosystem modeling approach to predicting cod recruitment
10:00	Larsen, Aud <i>et al.</i> Cell sorting - an important tool for investigating central processes in marine microbial ecology.	Torsten Hanson & Øyvind Saetra Do winter storms heat the ocean surface?	Selma Pacariz et al Cod spawning grounds in the Kattegat and the hydrographical influence on the early life stages
10:20	Lene Friis Møller & Hans Ulrik Riisgård Bioenergetics in the common jellyfish, <i>Aurelia aurita</i> , and two hydromedusae - effects of mass occurring species in Limfjorden, Denmark Nils	Anders Tengberg Sampling versus continuous logging: are we measuring at the right frequencies?	Leif Pihl and Håkan Wennhage Effects of eutrophication on benthic fish ecology along the Swedish Skagerak coast.
10:40	Hege Vestheim & Stein Kaartvedt Plasticity in coloration as an antipredator strategy among zooplankton	Tone Falkenhaus & Kåre Mosgren Exploring marine life on the mid-Atlantic ridge: the MAR-ECO project	Jen Edgren (Dyrssenpriset) Effects of a no-take reserve in the Baltic Sea on the top predator, northern pike ( <i>Esox lucius</i> )
11:00	COFFEE/FRUIT		
11:30	Kerstin Johannesson, Univ. Gothenburg, Sweden. <i>Are species incompatible with evolution?</i>		

Thursday, Nov. 2nd, morning, continued

	S3A. Life-history, diversity, Plenary room chair: Gunilla Rosenqvist	S3B. Physical oceanography/modelling Holmen room Chair: Terje Thorsnes	S3C. Chemistry Cinema room Chair: Kristin Lindell
12:05	Johanna Järnegren et al Similar reproductive cycles and life-history traits in congeneric limid bivalves with different modes of nutrition	Ingrid Ellingsen & Thomas McClimans Modelling the physical and biological responses of a stratified fjord to a submerged freshwater discharge	Svetlana Pakhomova et al. Dissolved iron and manganese species fluxes across the bottom water-sediment interface at various redox conditions in near-bottom water and for different types of sediment
12:25	V.M. Khaitov et al Morphological differences between females of different <i>Jaera</i> species ( <i>Crustacea: Asellota: Isopoda</i> ) in the White Sea: a possible solution to an old problem	Jon Albretsen & Lars Petter Røed Hydrography and circulation in the Skagerrak: Impact of freshwater effluence and model validation	E.V. Yakushev Analysis of the seasonal variability of the biogeochemical processes in the Black and Baltic Seas water column oxic/anoxic interface with a redox layer model
12:45	Sofia A. Wikström et al. Diversity of filamentous algae - functional importance or more of the same?	Ellen Soldal et al. Statistical models and predictions of channelled wrack ( <i>Pelvetia canaliculata</i> ) distribution using GIS-modelled predictor variables	Hancke K., et al. Temperature effects on photosynthesis - light responses measured by O <sub>2</sub> -evolution, 14C-assimilation and pulse amplitude modulated (PAM) fluorescence
13:05	LUNCH		

Thursday, Nov. 2nd, afternoon

14:30	POSTER SESSION II/ COMPANY EXHIBITION (room 4) and COFFEE/FRUIT Tone Falkenhaus & Kåre Mosgren: MAR-ECO and <b>interactive multimedia presentation</b>		
16:00	ANNUAL MEETING NHF Plenary room	ANNUAL MEETING SHF Holmen room	BOARD MEETING NMA
17:30	Time for rest, spa and getting ready for the evening		
19:30	BANQUET with songs and speeches, live music afterwards Toast master: Hartvig Christie.		

Friday, Nov. 3rd, morning

09:00	<b>Introduction of the day</b>	
09:05	Pedersen, Rolf B., Univ. Bergen. <i>Hydrothermal hot-spots in the Arctic: from mantle to microbes to plankton</i>	
	<b>S4A. Toxicology Plenary room. Chair: Lars-Petter Myhre</b>	<b>S4B. Coastal ecology Holmen room. Chair: Trine Galloway</b>
09:40	Hylland, Ketil. Measuring impacts of pollution in marine ecosystems - mission impossible?	Kjell Magnus Norderhaug & Hartvig Christie Space invasion! Importance of habitat availability to coastal fauna, tested by use of artificial habitats
10:00	Elin Lindehoff & Edna Granéli Utilization of DOM by <i>Prymnesium parvum</i> from anthropogenic sources, detected by stable isotopes, and effects on cell toxicity.	Frithjof E. Moy & Hartvig Christie Recent decline in sugar kelp ( <i>Saccharina latissima</i> ) vegetation along the south coast of Norway
10:20	Holth TF et al. Development of responses in Zebrafish ( <i>Danio rerio</i> ) during produced water exposure	Eli Rinde et al. Ecological effects of kelp trawling, using GIS-modelling as a fundament for the analysis
10:40	Egge, Jorun K. et al. Turbulence stimulated uptake of phosphate in large phytoplankton.	Eilertsen, Mette, et al. Does the composition of amphipods associated to epiphytes on kelp change with depth?
11:00	<b>COFFEE/FRUIT</b>	
	<b>S5A. Sediments, resuspension, Baltic studies Plenary room Chair: Anders Tengberg</b>	<b>S5B. Coastal ecology contd. Large scale projects Holmen room Chair: Terje Thorsnes</b>
11:30	Valerie Bellec & Margaret Wilson Seabed sediment mapping in the Barents Sea - Results from the first Mareano campaign	Therese Jephson Trophic interactions within <i>Zostera marina</i> beds along the Swedish coast
11:50	Silvennoinen, H. et al. River and estuary sediments of the northern Baltic Sea - Are they efficient filters of anthropogenic nitrogen?	Einar Dahl et al Harmful algae in the Skagerrak, experiences from regular monitoring since 1989

Cont.	S5A. Sediments, resuspension, Baltic studies contd	S5B. Coastal ecology/Large scale projects contd.
12:10	Anders Omstedt & Bo Gustafsson Assessment of Climate Change for the Baltic Sea Basin: The BACC project 1.	Bruce Hackett Towards an Information and Decision Support System for the Norwegian Marine Environment
12:30	Almroth, E., et al. Influence of natural and manmade sediment resuspension on water quality - in situ simulation studies in a Scottish loch.	Kai Sørensen et al. Operational network of Ferrybox systems in the North Sea/Skagerrak and the Norwegian Sea.
12:50	Summing up the meeting. Gunilla Rosenqvist and Anders Tengberg	
13:00	LUNCH (individually paid) and DEPARTURE	

## Sessions

S1A. Changing Arctic

S1B. Sediments, Denitrification

PI. Poster session I

S2A. Microbes and plankton

S2B. Physical oceanography

S2C. Fish and environment

S3A. Life-history and morphology

S3B. Physical oceanography/modelling

S3C. Chemistry

PII. Poster session II

S4A. Toxicology

S4B. Coastal ecology

S5A. Sediments, chemistry

S5B. Large scale projects

Wednesday after lunch

Wednesday after lunch

Wednesday afternoon

Thursday morning

Thursday morning

Thursday morning

Thursday after coffee

Thursday after coffee

Thursday after coffee

Thursday after lunch

Friday before coffee

Friday before coffee

Friday after coffee

Friday after coffee

## Talks; authors, titles and sessions

- Albretsen, J. & L. P. Røed. Hydrography and circulation in the Skagerrak: Impact of freshwater effluence and model validation [S3B](#)
- Almroth, E., *et al.* Influence of natural and manmade sediment resuspension on water quality - in situ simulation studies in a Scottish loch. [S5A](#)
- Bellec, V. & M. Wilson. Seabed sediment mapping in the Barents Sea - Results from the first Mareano campaign [S5A](#)
- Buhl-Mortensen L. & P. B. Mortensen. Distribution of megafauna and indications of fisheries damage revealed from visual inspections during the first MAREANO cruise in the southern Barents Sea [S1A](#)
- Edgren, J. (Dyrssenpriset). Effects of a no-take reserve in the Baltic Sea on the top predator, northern pike (*Esox lucius*) [S2C](#)
- Egge, J. K. *et al.* (1/9). Turbulence stimulated uptake of phosphate in large phytoplankton. [S4A](#)
- Engqvist, A.. Archipelagian medley [S2B](#)
- Evertsen, J.. Functional chloroplasts in herbivore opisthobranchs - robust cytoplasts with their own lunch [S1B](#)
- Dahl, E. *et al.* Harmful algae in the Skagerrak, experiences from regular monitoring since 1989 [S5B](#)
- Dale, B. The sedimentary record of dinoflagellate cysts in Scandinavian coastal waters: Sorting out the signals [S1B](#)
- Eilertsen, M., *et al.* Does the composition of amphipods associated to epiphytes on kelp change with depth? [S4B](#)
- Ellingsen, I. & T. McClimans. Modelling the physical and biological responses of a stratified fjord to a submerged freshwater discharge [S3B](#)
- Falkenhaug, T. & K. Mosgren Exploring marine life on the mid-Atlantic ridge: the MAR-ECO project. [S2B](#)
- Fenchel, T.. Microbial motile behaviour. [Keynote S2](#)
- Hackett, B.. Towards an Information and Decision Support System for the Norwegian Marine Environment [S5B](#)
- Hancke, K., *et al.* Temperature effects on photosynthesis - light responses measured by O<sub>2</sub>-evolution, 14C-assimilation and pulse amplitude modulated (PAM) fluorescence [S3C](#)
- Hanson, T. & Ø. Saetra. Do winter storms heat the ocean surface? [S2B](#)
- Hatlen, K. *et al.* Biological effects of water soluble fraction of oil on the Arctic sea ice amphipod *Gammarus wilkitzkii* [S1A](#)
- Holth T.F. *et al.* Development of responses in Zebrafish (*Danio rerio*) during produced water exposure [S4A](#)
- Hop, H. & O. Pavlova. Potential loss of ice-associated biomass transport from the Arctic Ocean to Fram Strait and the Barents Sea due to climate warming [S1A](#)
- Hylland, K.. Measuring impacts of pollution in marine ecosystems - mission impossible? [S4A](#)
- Ingvarnson, S. *et al.* Foraminiferal denitrification in the oxygen minimum zone off Chile [S1B](#)
- Jephson, T. (hedersomnämmande Dyrssen). Trophic interactions within *Zostera marina* beds along the Swedish coast [S5B](#)
- Johannesson, K.. Are species incompatible with evolution? [Keynote S3](#)
- Järnegen, J. *et al.* Similar reproductive cycles and life-history traits in congeneric limid bivalves with different modes of nutrition [S3A](#)
- Khaitov, V.M. *et al.* Morphological differences between females of different *Jaera* species (*Crustacea: Isopoda*) in the White Sea: a possible solution to an old problem [S3A](#)
- Larsen, A. *et al.* Cell sorting - an important tool for investigating central processes in marine microbial ecology. [S2A](#)
- Lindehoff, E. & E. Granéli. Utilization of DOM by *Prymnesium parvum* from anthropogenic sources, detected by stable isotopes, and effects on cell toxicity. [S4A](#)
- Moy, F. E. & H. Christie. Recent decline in sugar kelp (*Saccharina latissima*) vegetation along the south coast of Norway [S4B](#)
- Møller, L. Friis & H. U. Riisgård. Bioenergetics in the common jellyfish, *Aurelia aurita*, and two hydromedusae - effects of mass occurring species in Limfjorden, Denmark [S2A](#)
- Nikolopoulos, A. & R. S. Pickart. Where did all the water go? - A study of the western Arctic boundary current [S1A](#)
- Norderhaug, K. M. & H. Christie. Space invasion! Importance of habitat availability to coastal fauna, tested by use of artificial habitats [S4B](#)
- Omstedt, A. & B. Gustafsson. Assessment of Climate Change for the Baltic Sea Basin: The BACC project 1. [S5A](#)
- Pacariz, S. *et al.* Cod spawning grounds in the Kattegat and the hydrographical influence on the early life stages [S2C](#)
- Pakhomova, S. *et al.* Dissolved iron and manganese species fluxes across the bottom water-sediment interface at various redox conditions in near-bottom water and for different types of sediment [S3C](#)
- Pedersen, R. B. Hydrothermal hot-spots in the Arctic: from mantle to microbes to plankton. [Keynote S4](#)
- Pihl, L. & H. Wennhage. Effects of eutrophication on benthic fish ecology along the Swedish Skagerak coast. [S2C](#)
- Pinhassi, J. & T. Pommier. Phylogenetic diversity and biogeography of marine bacteria in the *Bacteroidetes* phylum [S2A](#)
- Rinde, E. *et al.* Ecological effects of kelp trawling, using GIS-modelling as a fundament for the analysis [S4B](#)
- Schauer, U.. The changing Arctic ocean. [Keynote S1](#)
- Silvennoinen, H. *et al.* River and estuary sediments of the northern Baltic Sea - Are they efficient filters of anthropogenic nitrogen? [S5A](#)

Soldal, E. *et al.* Statistical models and predictions of channelled wrack (*Pelvetia canaliculata*) distribution using GIS-modelled predictor variables [S3B](#)  
Sundbäck, K.. Retention of nutrients in non-tidal sediments - role of algae and denitrification [S1B](#)  
Svendsen, E. *et al.* An ecosystem modeling approach to predicting cod recruitment [S2C](#)  
Sørensen, K. *et al.* Operational network of Ferrybox systems in the North Sea/Skagerrak and the Norwegian Sea. [S5B](#)  
Tengberg, A.. Sampling versus continuous logging: are we measuring at the right frequencies? [S2B](#)  
Vestheim, H. & S. Kaartvedt. Plasticity in coloration as an antipredator strategy among zooplankton [S3A](#)  
Wikström, S. A. *et al.* Diversity of filamentous algae - functional importance or more of the same? [S2A](#)  
Yakushev, E.V.. Analysis of the seasonal variability of the biogeochemical processes in the Black and Baltic Seas water column oxic/anoxic interface with a redox layer model [S3C](#)

## Posters:

Aarre, I., *et al.* Transfer of contaminants from sediment to Atlantic cod via benthic organisms [PII](#)  
Alling, V., *et al.* The use of d34S for tracing terrestrial DOM in marine environments [PI](#)  
Andersson, P. & L. S. Andersson. Long term trends in the seas surrounding Sweden. Part one - nutrients [PI](#)  
Axe, P. *et al.* A new data model for hydrographic data [PI](#)  
Bergström, L.. Offshore wind power - effects on fish and fisheries [PI](#)  
Beylich, B. *et al.* Time-course of responses in individual cod to contaminant exposure [PII](#)  
Blomqvist, M.. Comparison of Swedish, Danish and Norwegian national methods of assessing ecological status based on benthic invertebrates [PI](#)  
Buhl-Mortensen L. *et al.* The response of hyperbenthos and infauna to hypoxia in fjords along the Norwegian Skagerrak coast: Quantitative estimates of species-loss due to eutrophication. [PII](#)  
Chestnova, M.. New (1997-2005) geoacoustical data in the view of gas-bearing bottom sediments in the South-Eastern Baltic [PI](#)  
Dekere, Z.. Macrophyte depth distribution in the Gulf of Riga, Baltic Sea, Latvia [PI](#)  
Eikrem, W. *et al.* Morphology and ultrastructure of *Chattonella* aff. *verruculosa* (Dictyochophyceae). [PII](#)  
Eroshenko, D.. The recent and postglacial sedimentation in the southern part of Gotland Basin, Baltic Sea. [PI](#)  
Fagerberg, T. *et al.* Growth stimulation of the toxic dinoflagellate *Alexandrium minutum* by 10-100 kDa dissolved organic matter. [PI](#)  
Fossing, Henrik *et al.* Methane distribution and CH4 net oxidation determined by seismic mapping of the seafloor In Aarhus Bay (Denmark) [PI](#)  
Gaardsted, Frank *et al.* The structure and variability of the East Greenland Current in the Fram Strait: Results from direct measurements [PI](#)  
Gitmark, J. K. & J. Ruess. Algal vegetation of the brackish-water lake Drangsvann, S. Norway. Green tide versus endangered charophyte. [PI](#)  
Hancke, T. B. *et al.* The use of PAM fluorescence and bio-optical characteristics to estimate oxygen production in phytoplankton [PII](#)  
Hansson, D. & A. Omstedt. Modelling the Baltic Sea ocean climate on centennial time scale; Temperature and Sea Ice [PI](#)  
Hansson, L. J. *et al.* A new national database for Swedish marine monitoring data [PII](#)  
Hansson, M. & B.I Håkansson. Satellite Monitoring of Cyanobacterial Blooms in the Baltic Sea - results from the period 1997-2006. [PI](#)  
Hareide, N. R. & L. G. Golmen. Runde miljøsester. A new Research Station in Norway [PII](#) [PII](#)  
Haukås, M., *et al.* Bioaccumulation of per- and polyfluorinated alkyl substances (PFAS) in selected marine species from the Barents Sea food web [PI](#)  
Hedman, J. *et al.* Fate of contaminants in Baltic Sea sediment ecosystems: An experimental study on the role of macrofaunal bioturbation and settling organic matter [PI](#)  
Heiaas, H. Hasle *et al.* *In situ* monitoring of macrophyte photosynthetic efficiency [PII](#)  
Hufthammer, A.K., *et al.* Mesolithic seasonal sea temperatures revealed from stable isotope analysis of cod otoliths [PI](#)  
Huseby, S.. Spatial variation of hydrological, chemical and biological variables along the Bothnian Bay coast [PII](#)  
Hylland, K. *et al.* Marine Research Station Solberstrand (NIVA) [PII](#) [PII](#)  
Iversen, K. Rokkan. Complex plankton responses to small-scale turbulence and nutrients in a mesocosm experiment [PII](#)  
Kaasalainen, H. *et al.* Dynamics of Fe, Mn and P at the sediment water-interface in the Gulf of Finland (Baltic Sea) measured using DGT [PII](#)  
Khaitov, V.. Long-term cyclic changes in the intertidal mussel beds of the White Sea [PII](#)  
Kling, H. & K. Döös. An advective large-scale 3D model for sediment transport, applied to the Baltic Sea [PI](#)  
Knutson, I. & K. Sjøtun. Feeding preferences and behaviors of the periwinkle *Littorina littorea* in sheltered intertidal communities [PII](#)

Kumblad, L. *et al.* Pools and fluxes of organic matter in a boreal landscape - implications for a safety assessment of a repository for nuclear waste **PII**

Kuznetsov, I.S. & E.V. Yakushev. Modelling study of the consumption of dissolved oxygen in the water column of seas with anoxic conditions. **PII**

Lukkari, K. & M. Leivuori. Phosphorous fractions in some Baltic Sea sediments with varying environmental properties. **PII**

Mosgren, K. & T. Falkenhaug. MAR-ECO and interactive multimedia presentation **PII**

Nilsson, J.A.U. *et al.* Geo-electric Monitoring of Wind-driven Barotropic Transports in the Baltic Sea **PI**

Nilsson, J. & G. Björk. Heat flux from the Atlantic waters to the Arctic ice cover **PI**

Nisumaa, A-Mn & T. Raid. Fecundity of the Baltic Herring in the North-Eastern Baltic Sea **PI**

Norrbin, M.F. *et al.* Looking for layers. Vertical distribution studies of northern zooplankton using a Video Plankton Recorder. **PII**

Nygaard, K.. NIVA CIENS a new large research center in Oslo. **PII**

Olsen, M. & J. Rueness. Underwater video monitoring of the Japanese seaweed *Sargassum muticum* in inner Oslofjord **PII**

Olsson, M. (Hedersomnämmande Dyrssen). Does the algal diet affect trematode parasitism in the herbivorous gastropode *Littorina littorea*? **PII**

Oug, E. & B. Rygg. Temporal trends in soft bottom macrofauna in Skagerrak, southern Norway, in relation to environmental factors **PII**

Palmbo, A.. Environmental monitoring of the pelagic in the Gulf of Bothnia **PII**

Pettersen, C. & A. Omstedt. Reconstructing the annual maximal ice cover extent in the Baltic Sea (MIB) during the 16th and 17th century **PI**

Pettersen, I. H. Do the Russian king-crab in the Barents-sea and the fjords of Finnmark have the potential to affect the cod populations in these areas? Preliminary report **PI**

Riisberg, I. & B. Edvardsen. Genetic variation in ribosomal DNA of *Chattonella aff. verruculosa*, a new harmful dictyochophyte forming recurrent blooms in Scandinavian waters **PII**

Salman, N. A.. ECOTOXICITY IN THE SOUTHERN MARSHES OF IRAQ: Their Impact on Riverine and Coastal Ecosystem **PII**

Serrano, I. & S. Lars. Revealing salmon and trout migratory secrets **PI**

Simonov, Y. Change of the Russian northern rivers water inflow into the Arctic Ocean **PII**

Skjevik, A-T., *et al.* Occurrence of phytoplankton causing shell fish toxicity in the Skagerrak, the Kattegat and the Sound 1985-2005. **PI**

Sneli, J-A. *et al.* The life style of a deep-sea sponge, *Chondrocladia gigantea* (Hansen, 1885) **PI**

Sogn Andersen, G. & S. Fredriksen. Kelp associated epiphytes and their level of biomass production in relation to wave-exposure and season. **PI**

Steen, H.. Vekst og reproduksjon av sukkertare på sørlandskysten i 2005/2006 **PI**

Stockmann, K. & U. Callies. Freshwater signals in the long-term Helgoland Roads time-series, using multi-decadal reconstructions of hydrodynamic transports in the German Bight. **PII**

Sørflaten, A.. Modeling of artificial inlets impact on tides in fjords. **PI**

Tandberg, A. H. S. *et al.* Extended parental care in *Metopa glacialis* associated with *Musculus discors*? **PII**

Todt, C.. Biomineralization in the radula of the aplacophoran mollusc *Helicoradomenia (Solenogastres)* **PII**

Torstensen, E.. Maturity classification in herring- an exchange of digital images. **PI**

Werner, M.. AquAliens, a presentation of a research program on introduced aquatic species **PII**

Wesslander, K. & A. Omstedt. The carbon and oxygen dynamics in the surface waters of the open Baltic Sea **PII**

## Exhibiting Companies

Aanderaa Data Instruments <http://www.aanderaa.com>

EIVA <http://www.eiva.dk/>

Kongsberg Maritime <http://www.km.kongsberg.com/>

MacArtney <http://www.macartney.com/>

Nortek <http://www.nortek-as.com/>

Fugro/Oceanor <http://www.geos.com/services/monitoring/rtenvironmental.asp>

Presens <http://www.presens.de/>

SAIV <http://www.saivas.no/default.asp>

Unisense <http://www.unisense.com/>