

Seminar Program

IMEMS 2006

9th International Marine Environmental Modelling Seminar 9 – 11 October, Rio de Janeiro, Brazil

Monday 9 October

- 08.45 - 09.00 *Opening*
 09.00 - 09.20 Welcome
 09.20 – 10.35 Coupled Biological-Chemical-Physical Model Systems
 10.35 – 11.05 *Coffee Break / Poster Session*
 11.05 – 12.45 Coupled Model Systems *continued*
 12.45 – 13.45 *Lunch*
 13.45 – 15.25 Operational Nowcast-Forecast Systems
 15.25 – 15.40 *Coffee Break / Poster Session*
 15.40 – 16.30 Operational Nowcast-Forecast Systems *continued*

Free evening

Tuesday 10 October

- 08.30 – 11.00 Environmental Risk and Impact Assessment
 11.00 – 11.15 *Coffee Break / Poster Session*
 11.15 – 12.30 Drilling Discharges
 12.30 – 13.30 *Lunch*
 13.30 – 15.10 Oil Spill Modelling I
 15.10 – 15.30
 15.30 – 16.45 Oil Spill Modelling I *continued*
 19.00 Banquet Dinner

Wednesday 11 October

- 09.00 – 10.15 Decision-Support Systems and Hydrodynamic Modelling
 10.15 – 10.30 *Coffee Break / Poster Session*
 10.30 – 11.45 Decision-Support Systems and Hydrodynamic Modelling *continued*
 11.45 – 12.45 *Lunch*
 12.45 – 15.15 Oil Spill Modelling II
 15.15 *Closure*

Note: Oral presentations are planned for 20 minutes, plus 5 minutes for questions and answers.

Monday 9 October

08.00	Registration:			
09:00	Opening and Welcome: Mark Reed, Chair, SINTEF, Norway , Anna Scofano, Co-chair, Petrobras, Brazil Renato Parkinson, Co-chair, Petrobras, Brazil, Leticia Falcão Veiga, Petrobras Alexandre Cabal, OceanSatPEG, Brazil, João Bittencourt OceanSatPEG, Brazil Ståle Johnson Statoil, Norway, Renato David Ghisolfi, Universidade Federal do Espírito Santo, Brazil			
Coupled Model Systems		Chairs:		Anna Maria Scofano, Petrobras Steinar Sanni, Akvamiljø A/S
09.20	Akio Sohma	Mizuho Information & Research Institute	Japan	Development of a New Ecosystem Model to Evaluate/Predict the Biochemical Processes in the High CO2 World
09.45	Anders Engqvist	Stockholm University, Dept. of Systems Ecology	Sweden	Modelling Nutrient Dynamics in an Archipelago Region With Regard to the Different Loading Source Categories
10.10	Fumio Horiguchi /Ken Okawa	National Institute of Advanced Industrial Science and Technology	Japan	Ecological Risk Assessment of Copper Pyriithione (CuPT) in Tokyo Bay
10.35	Coffee Break / Poster Session			
11.05	Hyun Taik OH	National Fisheries R&D Institute, Ministry of Maritime Affairs and Fisheries	Korea	Marine Ecosystem Response to Nutrient Input Reduction in Jinhae Bay, South Korea
11.30	Quanan Zheng	University of Maryland, Department of Atmospheric and Oceanic Science	USA	A Statistic-Thermodynamic Model for the DOM Degradation in the Estuary
11.55				
12.20	Lunch			
Operational Nowcast-Forecast Systems		Chairs: Renato Parkinson Martins, Petrobras Renato D. Ghisolfi, Univ.Federal do Espírito Santo		
13.20	Sylvie Giraud Saint-Albin	CLS Space Oceanography Division	France	A Model Evaluation with new Multivariate Multi-data Mercator-Ocean High Resolution Assimilation System to Forecast Loop Current and Eddy Frontal Positions in 2005 for Offshore Operators
13.45	Jean-Michel Lellouche	Mercator Ocean	France	Multivariate Multidata Assimilation in the Operational Mercator Ocean High Resolution Forecasting System
14.10	Mark Reed	SINTEF Materials and Chemistry	Norway	Nowcast-Forecast Oil Spill Model System for the Eastern Mediterranean BOTAS Oil Terminal
14.35	Maurício da Rocha Fragoso	PROOCEANO	Brazil	Investigation on the Southeastern Brazilian Ocean Circulation through Operational Numerical Modeling
15.00	Coffee Break / Poster Session			
Operational Nowcast-Forecast System		(Continued)		
15.15	Silvia Torres López	MeteoGalicia, Santiago de Compostela,	Spain	An Operational Met-Ocean Regional Forecast System
15.40	Eduardo Yassuda	ASA South America	Brazil	Operational Met-Ocean Modeling Forecast to Support Marine Operations in Angra dos Reis Bay (RJ)

Tuesday 10 October

Environmental Risk and Impact Assessment Chairs: Leticia Falcão Veiga, Petrobras Anne-Mette Hilmen, Shell				
08.30	Ståle Johnsen	Statoil Research	Norway	Approaches to Risk Assessment for Support of Marine Environmental Management
08.55	Paulo Augusto Lourenço Dias Nunes	School for Advanced Studies in Venice Foundation, Venice International University	Italy	Economic Valuation of Marine Environmental Damages: Assessment of Non-Use Value Losses Involved with the Prestige Oil Spill by Means of Value Transfer
09.20	Jim Tozzi	The Center for Regulatory Effectiveness	USA	Testing, Validation and Transparency of Marine Mammal Acoustic Effects Models
09.45	SeungWon Suh	Kunsan National University	Korea	Modeling of Coastal Environmental Changes due to Saemangeum Tidal Barrier Construction
10.10	Renee Bechmann	Iris Research	Norway	Monitoring of Modelled Environmental Risk; 1) Experimental Basis to Establish a "Biomarker Bridge"
10.35	Steinar Sanni	Akvamiljø A/S	Norway	Monitoring of Modelled Environmental Risk; 2) Description of the "Biomarker Bridge" Concept
11.00	Coffee Break / Poster Session			
Drilling Discharges Chairs: Leticia Falcao Veiga, Petrobras Tone Karin Frost, Statoil				
11.15	Ana Carolina da Rocha	ASA South America	Brazil	Computational Modeling of Drill Cuttings and Mud Released in the Sea From E&P Activities in Brazil
11.40	Henrik Rye	SINTEF Materials and Chemistry	Norway	The Use of the Diagenetic Equations to Predict Impact on Sediment Due to Discharges of Drill Cuttings and Mud.
12.05	Lunch			
Oil Spill Modelling I Chairs: Alexandre Cabral, OceanSatPEG; Liv Guri Faksness, UNIS				
13.05	David White	Oil Spill Response and East Asia Response Limited	United Kingdom	The Use of Marine Oil Spill Modelling by an International Oil Spill Response Organisation
13.30	Deborah French McCay	Applied Science Associates Inc	USA	Modeling Potential Impacts and Tradeoffs of Effective Dispersant Use on Oil Spills
13.55	Jeff Ji	Minerals Management Service	USA	Application of a Wetting and Drying Model to Oil Spill Risk Analysis
14.20	Maurizio Migliaccio	Università degli Studi di Napoli "Parthenope", Dipartimento per le Tecnologie,	Italy	Operational Oil Spill Observation by SAR: State of the Arts and Future Trends
14.45	Coffee Break / Poster Session			
15.00	Renato Parkinson Martins	Petrobras	Brazil	Oil Spill Modeling Criteria for Environmental Impact Assessment
15.25	Susana B. Vinzon	PENO/COPPE/Federal University of Rio de Janeiro	Brazil	Amazon Estuary 3D Modeling for the Assessment of Oil Spill Impact on Sediments
15.50				

Banquett Dinner

Wednesday 11 October

Decision-Support Systems and Hydrodynamic Modelling				
Chairs: SeungWon Suh, Kunsan National University Renato D. Ghisolfi, Univ. Fed. do Espirito Santo				
09.00	Dave Nieri	Transas USA Inc.		Transas Incident Response & Decision Support Solutions in the Field of Crisis Managemet
09.25	Constança Belchior	PROCAM		Decision Support Systems and Integrated Coastal Zone Management: an Analysis of Development of an On-Going Project in the Santos Estuary, SP, Brazil.
09.50	Tone Karin Frost	Statoil Research Centre		Application of the Environmental Risk-Based Management Tool "EIF drilling discharges" on a Selected Case Based on Actual Discharges from Exploration Drilling
10.15	Coffee Break / Poster Session			
10.30	Carlos Carbonel	Lab. Nacional de Computacao Cientifica (LNCC) Rio de Janeiro-Brasil		A Numerical Investigation of the Wind –Driven Coastal Upwelling Centers Along the Rio de Janeiro Coast
10.55	R. Martins/E. Campos	Petrobras		An Integrated Approach to Develop Brazilian Shelf Ocean Circulation Models
11.45	Lunch			
Oil Spill Modelling II				
Chairs: Joao Carlos Bittencourt, OceanSatPEG Jeff Ji, US Minerals Management Service				
12.45	Vadim K. Goncharov	Saint-Petersburg State Marine Technical University	Russia	Simulation of the Oil Drop Motion and Dissolution in the Sea Environment
13.10	William Schmidt	MAR Inc./Ohmsett Facility	USA	Develop Skimmer Testing Protocol Based on ASTM Standards
13.35	Liv Guri Faksness	The University Centre in Svalbard, Longyearbyen,.	Norway	Chemical Characterisation of Water Soluble Components from Arctic Marine Oil Spills – a Combined Laboratory and Field Study
14.00	Katia Cristina Garcia	LIMA/PPE/COPPE/UFRJ	Brazil	Development Of A Fuzzy Decision-Support System For Oil Spill Response
14.25	Fernanda M. Pinheiro	JV Fugro OceansatPEG	Brazil	Modelling Oil Dispersion for Contingency Planning, A Case Study at Brazilian Waters.
14.50				
15.15	Closure			

Poster Session				
Chair: Henrik Rye, SINTEF				
Fumio Horiguchi /Ken Okawa	National Institute of Advanced Industrial Science and Technology			Development of an Ecological Risk Assessment Model for Seto-Inland Sea of Japan
Eduardo Yassuda	ASA South America	Brazil		Development of Chemical Spill Scenarios for Contingency Planning in Santos Estuary (SP)
Jean-Michel Lellouche/Nicolas Ferry	Mercator Ocean	France		Mercator Global Ocean Data Assimilation Systems: Presentation and Applications for Coupled Ocean-Atmosphere Seasonal Forecasting.
Jean-Michel Lellouche /Mounir Benkiran	CLS Space Oceanography Division	France		Impact of the Incremental Analysis Updates on a Real Time System of the North Atlantic Ocean
Alexandre P. Cabral	OceansatPEG	Brazil		Oil spill dispersion simulation in different metocean conditions: a 3 years experience of the application of OSCAR model in Brazilian waters