

**4th International Workshop on
Technologies for Search And Rescue and other Emergency Marine Operations**



Le Quartz
Brest, France
10-11-12 May 2011



Tuesday May 10th Morning session

09h00 - 12h15 Ocean models and environmental data measurement for SAR applications

Chairman : *Michel Olagnon, Ifremer*

09h00 – 09h10 *Opening and welcome*
Michel Olagnon

09h10 – 09h35 “*Arctic Ocean Currents and sea-ice forecasts from Myocean*”
Laurent Bertino, François Counillon, Pavel Sakov, Arne Melsom

09h35 – 10h00 “*GPU-based simulation of radar sea clutter*”
Goulven Monnier, Daniel Le Hellard, Sébastien Vince, Julien Houssay, Thierry Landeau, Bertrand Chapron, René Garello, Christian Cochin, Yvonick Hurtaud

10h00 – 10h25 “*Results from the Mid Atlantic High frequency Radar Network*”
Hugh John Roarty, Ethan Handel, Erick Rivera, Michael Smith, Josh Kohut, Scott M Glenn

10h25 – 11h00 Coffee Break

11h00 – 11h15 “*Introduction : SLDMB Project*”
Brian Stone

11h15 – 11h40 “*iSLDMB - Generation III Self Locating Datum Marker Buoy*”
Tony Chedrawy

11h40 – 12h05 “*A second generation Self Locating Datum Marker Buoy*”
Gary Williams, Eugene Zeyger

12h05 – 12h30 “*Assimilation of Lagrangian drifters trajectories into surface current Models*”
Marc Pavéc, Victor Turpin, Vincent Taillandier

12h30 – 14h00 Lunch Break



Tuesday May 10th Afternoon session

14h00 - 17h45 Drift Forecast Models and Tools

Chairman : Øyvind Breivik, Norwegian Meteorological Institute

14h00 – 14h25 “*Support of Search and rescue Operations at Meteo-France*”

Pierre Daniel, Denis Paradis, Valérie Ulvoas

14h25 – 14h50 “*Curdrift, leeway prediction using HF radar measurements for elapsed time and models for future horizons*”

Nicolas Thomas

14h50 – 15h15 “*Rapid deployment of HF radars with open-mode analysis and model-data blending for near-shore oil spill and search and rescue applications*”

Vicente Fernandez

15h15 – 15h40 “*Backtracking drifting objects using an iterative algorithm with a forward trajectory model*”

Øyvind Breivik, Tor C. Bekkvik and Atle Ommundsen

15h40 – 16h05 “*SAROPS 2.0: The challenges, and benefits, of implementing a web-based version of a Search & Rescue planning tool*”

Eric Comerma, Eoin Howlett, Art A.Allen

16h05 – 16h30 Coffee Break

16h30 – 16h55 “*Search Modelling and Optimization in the US Coast Guard’s Search and Rescue Optimal Planning System (SAROPS)*”

Lawrence. D. Stone, Thomas M. Kratzke, John R. Frost

16h55 – 17h20 “*Real-time calculation of leeway parameters for drifting vessels using AIS*”

Yngve Heggelund, Kjell Røngang

17h20 – 17h45 “*Towards a Standard Method of Conducting Leeway Field Experiments.*”

Art A. Allen, Øyvind Breivik, Christophe Maisondieu, Jens-Christian Roth



Wednesday May 11th Morning session

09h00 - 10h40 Far-off areas : Learnings from Aircraft accidents

Chairman : **Art A. Allen, U.S. Coast Guard**

09h00 – 09h25 “*Lessons from Flight 447 Undersea Search Operations*”
Olivier Ferrante

09h25 – 09h50 “*A strategy for producing refined currents in the Equatorial Atlantic Ocean in the context of the search of the AF447 wreckage.*”
Sylvain Cailleau, Edmée Durand, Marie Drévilion, Eric Greiner,
Stéphane Law-Chune, Jean-Michel Lellouche, Denis Paradis, Guillaume Reffray.

09h50 – 10h15 “*Search of the AF447 wreckage area*”
Michel Ollitrault, A. Bentamy, B. Blanke, C. Chen, A. Colin de Verdière,
J. Condette, D. Delaitre, N. Diansky, M. Drévilion, O. Ferrante, D. Croizé-Fillon,
E. Greiner, C. Kermabon, F. Lefèvre, P. Lezaud, R. Limeburner, S. Louazel,
G. Nurser, D. Paradis, J-P. Rannou, T. Reynaud, M-H. Rio, R. Scott, S. Travadel

10h15 – 10h40 “*Reverse Drift in the Air France flight 447*”
Stéphanie Louazel

10h40 – 11h00 Coffee Break

11h00 – 12h30 SAFER SEAS Conference opening session

13h00 – 14h30 Lunch Break



Wednesday May 11th Afternoon session

14h30 - 18h00 Support tools for SAR operations

Chairman : **C. Maisondieu, Ifremer**

14h30 – 14h55 “*Evacuation of passenger ships: challenges and research activities*”
Philippe Corrigan, Antoine Breuillard, Nicolas Mery, Pierre Maurier

14h55 – 15h20 “*Investigation of passenger vessels performance during man overboard manoeuvre*”
Arkadiusz Lukaszewicz

15h20 – 15h55 “*Weather windows for common vessel operations*”
Kjell Røang, I. Eliassen, G. Fonnes

15h55 – 16h10 “*Use of Automatic Identification System for passing Search Area Coverage plans*”
Keith Oliver

16h10 – 16h30 Coffee Break

16h30 – 18h00 Safer Seas Plenary Session “*Session 3 – Sauvetage en mer : analyse comparée*”
“*Search and Rescue at Sea : comparison of practices*”

Chairman : **Jean-François TALLEC**

Secrétaire Général de la Mer, Président du Forum des garde-côtes de l’Atlantique Nord



Thursday May 12th Afternoon session

09h00 - 12h30 SAR operations

Chairman : *Jean-Charles Cornillou, CROSS Corsen*

09h00 – 09h25 “*Risk analysis associated with the Bourbon Dolphin scenario*”
Peter Kjeldsen

09h25 – 09h50 “*Cospas-Sarsat programme: from operations to MEOSAR*”
Jean-Charles Cornillou

09h50 – 10h15 “*IPBC or the future of the maritime radiocommunications*”
Jean-Yves Christien

10h15 – 10h45 “*New Sea Routes*”
François Duchêne

10h45 – 11h00 Coffee Break

11h00 – 11h25 “*SMC Simulator – A tool for training and SAR Mission Coordinators*”
Jaroslaw Soliwoda, Zbigniew Burciu
presented by Piotr Lizakowski

11h25 – 11h50 “*Reliability of SAR action elements*”
Teresa Abramowicz-Gerigk, Zbigniew Burciu, Franciszek Grabski
Presented by Arkadiusz Lukaszewicz

11h50 – 12h15 “*Challenges for SAR operations in the Barents Sea*”
Tor Einar Berg, Beate Kvamstad

12h15 – 12h30 *Conclusions and Wrap-up*
Jean-Charles Cornillou

12h30 – 14h00 Lunch Break