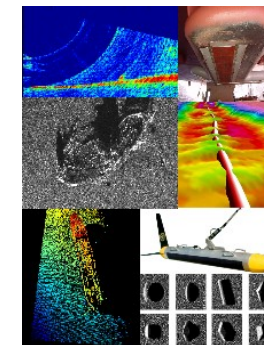


ADVANCES IN SEAFLOOR-MAPPING SONAR

Brest (France) - Nov.30-Dec.1, 2009

Telecom-Bretagne, Technopole de Brest-Iroise



Program

Nov.30, 2009

Morning 09:00 - 12h30

9:00	Registration			
10:45	Introduction	Org.Comm.+Dir. IFR, T-Br, SHOM	C.Sintes. etc.	0:15
11:00	Needs, trends and achievements of naval forces in mine warfare sonars	French Navy + Gesma	JP Kernin & O.Trajbert	0:30
11:30	Kongsberg seafloor-mapping sonars	Kongsberg	Berit Horvei	0:30
12:00	Hydrographic systems : national hydrographic office requirements	SHOM	P.Michaux	0:30
12:30	Lunch			1:30

Afternoon 13:40-18:30

14:00	Minimal Requirements for Accurate Acoustic Seafloor Mapping Systems	NURC	G. Canepa	0:20
14:20	Shallow water Swath Bathymetry from small Platforms	SEA	B. Hinett	0:20
14:40	SHADOWS, A new approach for survey mapping	IXSea	F. Jean	0:20
15:00	Use of sidescan sonar images for mapping benthic habitat	Ifremer	A.Ehrhold	0:20
15:20	Seafloor mapping using interferometric sonars	Geoacoustics	T. Hiller	0:20
15:40	Ongoing developments in side scan sonar – the pursuit of better range, resolution, and speed	EdgeTech	N. Lawrence	0:20
16:00	PAUSE			0:30
16:30	Seafloor mapping by fusion of multi-sensor multifrequency data	Semantic	C. Noel	0:20
16:50	High resolution real data from sidescan SAS for automatic target recognition	TUS	N. Mandelert & J. Ferrand	0:20
17:10	Imagery and seafloor nature mapping for naval needs	SHOM	Th.Garland	0:20
17:30	Reson : underwater acoustic solutions	Reson	O. Hamelin	0:20
17:50	New Product Developments: Multibeam, Bathymetry, and AUV Side Scan Sonar	L3-Klein	T. Alavosus	0:20
18:10	Acoustic and statistical methods for substrate and biota classification and modeling	Teledyne Benthos	F.Leroy	0:20
18:30				
19:30				
20:30				
			Discussions - Exhibition	1:00
			Departure for Diner	1:00
			Diner at Cercle Naval down town	2:00

Dec.1, 2009

Morning 8:30 - 12h30

8:30	Qualifying Interferometric Swath Bathymetry Data for Charting	SEA	M. Geen	0:20
8:50	Nonlinear multifrequency transmitter for seafloor characterization	UPMC	P.Cervenka, J.Marchal & L.DiMarcc	0:20
9:10	Progress in interferometry for High-Resolution bathymetry	Telecom-Br	G.Llort, C.Sintes & X.Lurton	0:20
9:30	Definition of a Quality Factor for MBES bathymetry processing	Ifremer	X.Lurton, J.M.Augustin & Y.Ladroit	0:20
9:50	A surveyor's and cartographer's point of view on the Kongsberg EM3002D multibeam echMin.Fed.Economie Belgique		M.Roche & K.Degrendele	0:20
10:10	PAUSE			0:30
10:40	Self-noise control and reduction for hull-mounted sonars	DCNS	S. Gautard	0:20
11:00	Recent developments in multi-beam echo-sounder processing at the Delft University of Technology	Univ.Delft	M. Snellen	0:20
11:20	Sonar Data Fusion	Ensieta	B.Zerr	0:20
11:40	Linear array calibration	UPMC	P.Cervenka & J.Marchal	0:20
12:00	Localising and mapping of gas seepage from the seafloor	Marum	C.Waldman	0:20
12:20	Lunch			1:30

Afternoon 13:50-16:20

13:50	Hugin SAS achievements	FFI	R.E. Hansen	0:20
14:10	Variational segmentation of textured sonar images	Telecom-Bretagne	I.Karoui & J.M.Augustin	0:20
14:30	Speckle noise reduction : review	Isen Toulon	Ph. Courmontagne	0:20
14:50	Focus on the Shadows new technologies: SAS and Gapfiller	iXSea	F. Mosca	0:20
15:10	Invariant texture descriptor based on local spatial statistics	Telecom-Br	J.M.Boucher	0:20
15:30	NURC achievements in seafloor classification	NURC	G. Canepa	0:20
15:50	Achievements in AUV sonars	Kongsberg	S.O.Schjerven	0:20
16:10	Conclusions	Org. Committee	C.Sintes	0:10
16:20	Workshop end			