

WORKSHOP PROGRAM

Thursday, November 17 (Morning sessions)

Welcome to all participants and Opening Session: Opening Session: Dr.JuanJosé Dañobeitia (UTM Director), Dr.Antoni Mànuel (SARTI Director)			9:00
Marine Vehicles and Control Systems Chairman: Dr Jaume Piera			9:15
Invited Conference (Carlos Silveste IST) Mission and Vehicle Control of Marine and Aerial Vehicles			9:45
Cormoran Project	Mini AUV, a platform for future use on marine research for the Spanish Research Council?	Pablo Rodriguez(UTM)	
	A low-cost autonomus vehicle for coastal sea monitoring	Daniel Roig Broman (UIB)	
	A GSM based real time system to monitor underwater noise	Miguel Martínez Ledesma (UIB)	
	A vehicle design for submarine observacione	Jordi Prat Tacias (SARTI)	
	Autonomus Underwater Vehicle control	Jordi Vidal Morató (SARTI)	
	AIRSUB-PORT: Inspection of harbours with a ROV	Alexandre Monferrer (UPC)	
	AIRBUS: Autonomus Robot For Dam Inspection	Pere Ridaó (UdG)	
	Pipe and Cable inspection in the AIRBUS project Context	Gabriel Oliver (UIB)	
COFFEE BREAK			11:00
Sampler Project	SAMPLER: An instrumentation project for studying the effect of turbulence in aquatic system	Jaume Piera (UTM)	11:15
	Turbulent oceanic flow characterization derived from high-resolution CTD data processing	Ruben Quesada (UPC)	
	Characterization of the water optical properties using hyperspectral sensors	Elena Torrecilla (UTM)	
LUNCH			13:30
Computation of Greatest Common Divisor for the Blind Deconvolution of Transient Impulsive Signals		Alfonso Carlosena (UPN))	

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Sensors			
Chairman: Dr. Alfonso Carlosena			
NORIT Project	Incidence of Norway lobster (Nephrops norvegicus L.) Emergence activity rhythms on its population assessment	Francesc Sardà (ICM)	15:00
Diatriba Project	Design of Low-Cost Smart Accelerometers pollution	Joaquin del Río (SARTI)	
	Computation of Greatest Common Divisor for the Blind Deconvolution of Transient Impulsive Signals	Pablo Lecumberri (UPN)	
	Design Flow for DSP&FPGA algorithms with Matlab	Joaquin del Río (SARTI)	
	Deconvolution of Impulsive Signals with Adaptive Filters	Erik Molino (SARTI)	
Invited Conference: (M. André) A Passive Mitigation Solution			16:00
COFFEE BREAK			17:00
Impulse SWIM Project	Chairman: Dr.Rafael Bartolome		17:15
	Hight resolution mapping and seismic imaging in seismogenic zones: Application in SW Iberian and Almeria margins	Rafael Bartolome(SARTI-UTM)	
	Bathymetric map of the Gulf of Cadiz, NE Atlantic Ocean: The SWIM multibeamb compilation	Susana Diez(UTM)	
	Active tectonic and sedimentary processes along the Sao Vicente Canyon (SW Iberian Margin):High-Resolution Imaging	Alexis Vizcaino (UTM)	
Georeferenced Photo-Mosaicing of the Seafloor		Rafael García (UdG)	

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Marine Seismometers Chairman: Dr.Valenti Sallares			
Invited Conference (Philippe Charvis.) The new <<Hippocampe>> OBS and the French OBS pool			9:00
SigSensual Project	SigSensual: A Project to Develop an Ocean Bottom Seismometer Prototype and its Associated Signal Processing Software	Valentí Sallarès(UTM)	9:30
	Characterization of a High Resolution Acquisition System for Marine Geophysical Applications	Shahram Shariat(SARTI)	
	Determination of The Confidence Interval for the ENOB of and ADC tested with the IEEE 1057 Random Noise Test pollution	Francisco Alegria (IST)	
	Using the parallel port for data acquisition	Antonio Pazos(ROA)	
	Multipurpose OBS tester	Marc Ambròs (UTM)	
	MiniDOBS Stability and Floatability	Manuel Moreno(SARTI)	
	Re-desing of a geophone for marine seismics	Pere Soler (EPSEVG)	
	Model Characterization of Geophone Sensor	Xavier Roset (SARTI)	
	A new software tool for Wide-Angle reflection/refraction Seismic data Processing and Representation(WASPAR)	Iban Rodríguez(UPN)	
Signal processing techniques applied to seismic signal detection		Sergi Ventosa (UTM)	
COFFEE BREAK			11:00
Marine data management Chairman: Dr.Enric Trullols			
LabVir Project	LabVir.The present status	Enric Trullols (SARTI)	11:15
	Network Management for Marine Sensors	Jordi Sorribas(UTM)	
	Marine Information over the Network	Joaquin del Río (SARTI)	
	Bibliographical approach to the scientific production on marine technology indexed in Web of Science database (1995-2005)	Josep Vives i Gràcia(EPSEVG))	
LUNCH			13:30

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Simulation Tools on Marine Activities Coordinador Francesc Sarda			15:00
DISPAR Project	DISPAR: A tool to model bottom trawl fishing gearsnt	Arnau Folch (SARTI)	
Marine Infrastructures Chairman: Dr Juan José Dañobeitia			
Invited Conference(Vincent RIGAUD (Ifremer): Underwater systems within the European underwater Fleets			16:00
	Oceanographic Research Platforms	Jaume Guasch (SARTI)	16:30
	R/V Sarmiento de Gamboa: A New Reserach Vessel for Spanish Marine Sciences	Arturo Castellón (UTM)	
CLOSING SESSION	Dra.MONTSERRAT TORNE ESCASANY Vicepresidenta de Organización y Relaciones Institucionales (CSIC)		16:30