

**WORKSHOP PROGRAM**  
*Statistical models of the metocean environment for engineering uses*

**Place: Salon de l'océan – IFREMER, Brest**

**Date: September 30 to October 1<sup>st</sup> 2013**

Monday 30 September 2013

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
10:00 12:00	Welcome & introduction	Zakoua Guédé (Ifremer)
	An operator's needs regarding metocean specifications	Valérie Quiniou (Total)
	Long-term Response of Offshore Structures: Some Practical Aspects	Luis Sagrilo (Federal University Rio de Janeiro)
	Wave-climate for fatigue applications: Some difficulties and some ideas	Michel Olagnon (Ifremer)
12:00 13:30	<b>LUNCH</b>	
13:30 15:30	Identification and parameterization of wind sea and swell events off West Africa	K. Kpogo-Nuwoklo (Ifremer)
	Wave spectrum partitioning and statistics on spectral peakedness ( $\gamma$ ) of wave systems observed in the French marine energy test site SEM-REV	Jean-Baptiste Saulnier (work done at Ecole Centrale de Nantes)
	Variability of sea state measurements and sensor dependence	Anne Karin Magnusson (Norwegian Meteorological Institute)
	Time variant fatigue computation of Wind Turbine Jackets : method and needs for sea-states modelling	Benjamin Rocher (Université de Nantes)
15:30 16:00	<b>BREAK</b>	
16:00 17:30	Interpolated swell fields from SAR measurements	Pierre Tandeo (Telecom Bretagne)
	Fluid motion estimation from image sequences	Anne Cuzol (Université Bretagne Sud)
	Simulation of non-linear waves using Laplace Moving Average processes	Nicolas Raillard (Ifremer)
19:00 ~	<b>GROUP DINNER</b>	

Tuesday 1<sup>st</sup> October 2013

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
08:30 10:30	Modelling extreme values of processes observed at irregular time step. Application to Hs	Pierre Ailliot (Université Bretagne Occidentale)
	Estimation of extreme wave heights by regional frequency analysis	Jérôme Weiss (EDF)
	Long-term statistics with equivalent storm models, for extreme values of significant wave heights	Felice Arena (Mediterranea' University Reggio Calabria)
	Long-term statistics with equivalent storm models, for extreme crest-to-trough wave heights and nonlinear crest heights	Felice Arena (Mediterranea' University Reggio Calabria)
10:30 11:00	<b>BREAK</b>	
11:00 12:00	Wrap-up Discussion	