IMUM 2016
15th International workshop on Multi-scale
(Un)-structured mesh numerical Modeling
for coastal, shelf, and global ocean dynamics
27-29 [+1 day] September 2016
LEGOS-TOULOUSE-FRANCE

	Tuesday 27	**Wednesday 28**
09:00	*Registration*	*Subgrid hydrodynamics and sediment transport modeling on unstructured Grids.* **Oliver FINGER**
09:30		
09:50	*Welcome* **Florent LYARD**	
10:00	Mesoscale eddies on unstructured meshes **Sergey DANILOV**	
10:30		*Coffee break*
11:00	*Coffee break*	Inter-comparison of Finite-element and discontinuous Galerkin Methods in ocean modelling. **Daniel LE ROUX**
11:30	Thetis: A versatile unstructured grid ocean model. **Tuomas KARNA**	A generic functional approach on discrete approximation of a Continuous equation **Yoann LE BARS**
12:00	Direct simulation of mesoscale and submesoscale eddy in uences in the Antarctic Circumpolar Current using MPAS-Ocean. **Luke Van ROEKEL**	Fractally homogeneous air-sea turbulence with frequency-integrated, Wind- driven gravity waves. [PART.1] **Colton CONROY**
12:30	*LUNCH*	*LUNCH*
14:00	Modelling from basin- to community-scales on large unstructured Grids **Joseph ZHANG**	Fractally homogeneous air-sea turbulence with frequency-integrated, Wind- driven gravity waves. [PART.2] **Colton CONROY**
14:30	Unstructured ocean loading atlas **Damien ALLAIN**	Tidal downscaling in a 3D (structured) Circulation model: A new approach Based on tailored 2D (unstructured) simulations. **Florence TOUBLANC**
15:00	A baroclinic model of the Columbia river-to-ocean continuum **Valentin VALLAEYS**	Coupling of an unstructured wave model with a curvilinear hydrodynamic Model : the storm surge of March 2013 in the Gulf of Lion, France. **Fabien RETIF**
15:30	*Coffee break*	*Coffee break*
16:00	Hydrodynamic modeling of Gironde estuary **Florent LYARD**	Coupling of Unstructured (ADCIRC) and Structured (XBeach) Models By Perl Script. **Seungwon SUH**
16:30	Pine Island Glacier ice shelf melt distribution modelled at basal channel scales, enabled by unstructured mesh Approaches. **Adam CANDY**	The development of a new Simulation and optimisation framework for Marine technology. **Stephan KRAMER**
17:00	*DISCUSSION*	*DISCUSSION*
18:00		

	Thursday 29	Friday 30
09:30	Unstructured Mesh Modeling in the Coastal Waters of British Columbia **Mike FOREMAN**	Generalised Cartesian Grids **Stéphane POPINET**
10:30	*Coffee break*	*Coffee break*
11:00	Modelling marine connectivity in the Great Barrier Reef with SLIM. **Emmanuel HANERT**	OMUSE Demo **Inty PELUPESSY**
11:30	Simulation of surface oil slick transport using the 3D baroclinic ADCIRC on high-resolution unstructured finite Element grids **Arash FATHI**	
12:00	An unstructured grid model of the Scottish shelf waters to predict impacts of tidal energy extraction on hydrodynamics. **Michela De DOMINICIS**	
12:30	*LUNCH*	Structured and unstructured mesh generation with POCViP **Damien ALLAIN**
14:00	High resolution tidal model of the Canadian Arctic Archipelago **Olga KLEPTSOVA**	
14:30	A new high resolution tidal model in the Artic Ocean **Mathilde CANCET**	
15:00	Getting Ready for SWOT: Tidal Model Assessments off the Coast of British Columbia, Canada **Di WAN**	
15:30	*Coffee break*	Other ideas coming from the workshop
16:00	A gentle introduction to the Oceanographic Multipurpose Software Environment **Inti PELUPESSY**	
16:30	Integration of Geographic Information System frameworks into domain discretisation and meshing processes for geophysical models. **Adam CANDY**	
17:00	*DISCUSSION*	
18:00		