

# Julio M. Morell - Biographical Sketch

## (a) Professional Preparation

M.Sc. June, 1985. Marine Sciences, U. Puerto Rico, Mayaguez.  
B.Sc. June, 1978. Natural Sciences, U. Puerto Rico, Rio Piedras.

## (b) Appointments

7 /2004 - present, Research Professor, Dept. of Marine Sciences U of Puerto Rico,  
Mayaguez Campus (DMS-UPRM)  
7 /1999 - 2004, Associate Research Professor, DMS-UPRM  
7/1993 - 6/1999, Assistant Research Professor, DMS-UPRM

## (c) Selected publications

Morell, J.M.; Canals, M.F.; Capella, J.E.; Aponte, L.D.; Corredor, J.E.; Watlington, R.; Garcia, C.,  
"IOOS-CariCOOS: Past, present and future of a tropical coastal ocean observing system," in  
OCEANS 2015 - Genova , vol., no., pp.1-4, 18-21 May 2015  
doi: 10.1109/OCEANS-Genova.2015.7271745

André van der Westhuysen, C. Anselmi, R. Calzada, J. C. Feyen, J. Gonzalez, A. Mercado, J.  
Morell, E. Rodriguez, J. Smith, J. Veeramony, and J. Westerink. 2015. A wave, surge and  
inundation modeling testbed for Puerto Rico and the U.S. Virgin Islands: Year 1 Progress.  
Proceedings 95th AMS Annual Meeting, Phoenix, AZ, January 4-8, 2015

Ramón López, J. M. López, J. Morell, J. Corredor, C. del. Castillo. 2013. Influence of the Orinoco  
River on the primary production of eastern Caribbean surface waters.  
Journal of Geophysical Research (Oceans) 118(9):4617-4632.

Luis D. Aponte, M. F. Canals, J. M. Morell, J. E. Corredor 2012. An Overview of the Caribbean  
Coastal Ocean Observing System and data Measurements during Hurricane Irene.  
In Advances in Hurricane Engineering : Learning from Our Past Edited by Christopher P. Jones ,  
P.E. and Lawrence G. Griffis , P.E...(ASCE). Proceedings TC & SEI Conference on Advances in  
Hurricane Engineering 2012, Miami, Florida, United States October 24-26, 2012

Canals, M.; Morell, J.; Corredor, J.E.; Leonardi, S., "Expanding the Caribbean Coastal Ocean  
Observing System into the nearshore region," in Oceans, 2012 , vol., no., pp.1-4, 14-19 Oct.  
2012. DOI: 10.1109/OCEANS.2012.6404936

Carlos M. Anselmi-Molina, Miguel Canals, Julio Morell, Juan Gonzalez, Jorge Capella, and  
Aurelio Mercado. 2012. Development of an Operational Nearshore Wave Forecast System for  
Puerto Rico and the U.S. Virgin Islands. Journal of Coastal Research: Volume 28, Issue 5: pp.  
1049 – 1056

Corredor, J. Amador, A., Canals, M., Rivera, S., Capella, J., Morell, J., Glenn, S., Roarty,  
H., Handel, E., Lemus, E. 2011. " Optimizing and Validating High-Frequency Radar Surface  
Current Measurements in the Mona Passage", Marine Technology Society Journal, Vol. 45, No.  
3, pp. 49-58, 2011

Oscar Schofield, Josh Kohut, Scott Glenn, Julio Morell, Jorge Capella, Jorge Corredor, John  
Orcutt, Mathew Arrott, Ingolf Krueger, Michael Meisinger, Cheryl Peach, Frank Vernon, Alan  
Chave, Yi Chao, Steve Chien, David Thompson, Wendell Brown, Mathew Oliver, William  
Boicourt: A Regional Slocum Glider Network in the Mid-Atlantic Bight Leverages Broad  
Community Engagement. Marine Technology Society Journal 10/2010; 44(6):185-195.  
DOI:10.4031/MTSJ.44.6.20

Morell, J.M., W.J. Merryfield and J.E. Corredor. 2006. Thermohaline staircases in a Caribbean eddy and mechanisms for staircase formation. *Deep-Sea Res.* 53: 128-139.  
doi:10.1016/j.dsr2.2005.09.013.

Morell, J. and J. Corredor. 2003. Interannual variability of subsurface high salinity water in the northern tropical Atlantic and Caribbean: A climate- biogeochemistry connection. *Geophys. Res. Abs.* 5: 07566

#### (d) Recent presentations

Solano M., Canals M., Capella J., Morell J. & Leonardi S. (2014) Development of a coupled ocean-atmosphere operational observing system in Puerto Rico and the Virgin Islands. 2014 Ocean Sciences Meeting 23-28 February 2014 / Hawaii Convention Center Honolulu, Hawaii USA

Garcia E., Solano M., Cappella J., Canals M., Morell J. & Leonardi S. (2014) Development of real time ocean circulation forecast for the area of Puerto Rico and Virgin Islands. GODAE OceanView - COSS-TT: 3rd International Coordination Workshop, 21-24 January 2014 Rincon Puerto Rico

Solano M., Garcia E., Canals M., Cappella J., Morell J. & Leonardi S. (2014) Response of the Upper Ocean Using High Resolution Wind Forcing in Puerto Rico and the Virgin Islands GODAE OceanView - COSS-TT: 3rd International Coordination Workshop, 21-24 January 2014 Rincon Puerto Rico

Solano-Cordoba M., Garcia-Cartagena E., Capella J., Canals M., Morell J. & Leonardi S. (2013) Numerical simulation on estuarine, coastal and off-shore circulation in Puerto Rico and the Virgin Islands using the Regional Ocean Modeling System (ROMS). COSS-TT International Coordination workshop - 2 (ICW-2) Lecce, Italy, February 4-7, 2013

Westerink, J. van der Westhuysen, A., J. Smith, J. Feyen, J. Gonzalez, A. Mercado-Irizarry, J. Morell, A. Kennedy, M. Canals, S. Boc, S. Stripling, C. Anselmi, E. Rodriguez, E. Diaz, P. Diaz, and R. Baltes. "Whitepaper on the establishment of an islands wave, surge and hydrologic testbed based on Puerto Rico and the U.S. Virgin Islands", 93rd AMS Annual Meeting, Austin, TX, Jan 10, 2013.

Garcia E., Canals M., Capella J., Morell J. & Leonardi S. (2012) A13.00001 Numerical Simulation of the tidal effects on estuarine circulation in the San Juan Bay Bulletin of the American Physical Society. 65th Annual Meeting of the APS Division of Fluid Dynamics Volume 57, Number 17 November 18–20, 2012; San Diego, California

Aponte, L. D., Canals, M. F., Corredor, J. E., & Morell, J. M. (2012). An Overview of the Caribbean Coastal Ocean Observing System and Data Measurements during Hurricane Irene (pp. 1148–1159). American Society of Civil Engineers. doi:10.1061/9780784412626.100

#### (d) Synergistic Activities

Executive Director Caribbean Regional Association for Ocean Observing (CaRA)  
Executive Director Caribbean Integrated Coastal Ocean Observing System (CariCOOS)  
Director UPRM Center for Ocean Observing and Marine Operations (COOMAR)  
Co-Director UPRM Center for Applied Ocean Sciences and Engineering (CAOSE)