

## Publications:

### Refereed Publications:

- **Deborah Villarroel-Lamb, (2018)**, Summarising wave data for the purpose of operational planning on coastlines, **Proceedings of the ICE: Maritime Engineering, 2018.171 (2):p. 47-69**
- Richelle Adams, **Deborah Villarroel-Lamb** and Fasil Muddeen, (2018) Feasibility of using CubeSat Technology for Coastal Marine Monitoring Applications, Submitted to Cogent Engineering (under review)
- Shani Brathwaite and **Deborah Villarroel-Lamb, (2017)** The influence of infiltration on Maximum Wave Run-up – A field Study on Trinidad Beaches by, Presented at the **3<sup>rd</sup> EMI International Conference, EMI 2017 – IC** , held in Riode Janeiro, Brazil, from March 19<sup>th</sup> to 22<sup>nd</sup>, 2017, Manuscript appears I peer-reviewed conference proceedings.
- **Deborah Villarroel-Lamb**, Alejandro Hammeken and Richard Simons, (2014) Quantifying the effect of bed permeability on maximum wave runup. **Proceedings of the 34<sup>th</sup> International Conference on Coastal Engineering (ICCE)** held in Seoul, Korea, 15-20 June 2014.
- **Deborah Villarroel-Lamb, (2012)** Investigating the beach predictions of a new long-term morphological model – a Caribbean context. **Proceedings of the 33<sup>rd</sup> International Conference on Coastal Engineering (ICCE)** HELD IN Santander, Spain 1-6 July 2012.
- Carol Subrath-Ali, **Deborah Villarroel-Lamb** and Llan Kelman,(2012) Towards a probabilistic flood base model for the Caribbean. **Proceedings of the 33<sup>rd</sup> International Conference on Coastal Engineering (ICCE)** held in Santander Spain 1-6 July 2012.
- Carol Mangor, k., Banderia,J.V.,Dorst, K., Ewing, L., Fernando, C., Frohle, P., Malherbe, B., Mather, A.A., Mertens, T., Mocke, G., Pattiaratchi, C., Peters, K., Sigurdarson, S., Smith, D., **Villarroel, D.**, and Wikramanayake, N., (2012) Mitigation of coastal erosion along sandy coasts, New PIANC Guidelines for Countries in transition. **Proceedings of the 8<sup>th</sup> International Conference on Coastal and Port Engineering in developing countries COPEDEC 2012** held in Chennai, India from 20-24 February 2012.
- **Deborah Villarroel –Lamb, (2010)** A phase-averaged non- linear wave transformation model. **Proceedings of the ICE: Maritime Engineering, 2010.163: p. 73-88.** (Journal Impact Factor = 0.281, Citations = 0)
- **Deborah Villarroel-Lamb, (2009)** Quantitative validation of a probabilistic morphological model. **Proceedings of the 4<sup>th</sup> SCACR: International Short Conference on Applied Coastal Research** held in Barcelona June 2009.
- **Deborah Villarroel-Lamb, (2008)** Swash zone sediment transport in a long-term shoreline model. **Proceedings of the COPEDEC V11** held in Dubai, UAE February 2008.
- **Deborah Villarroel-Lamb, (2007)** A Numerical Model to predict long-term coastal morphological behaviour in the Caribbean. **PhD Thesis, UWI.**
- **Deborah Villarroel-Lamb, (2007)** Assessing the hurricane-related coastal erosion hazard. **Proceedings of the 5<sup>th</sup> LACCEI: International Latin American and**

**Caribbean Conference for Engineering and Technology** held in Tampico, Mexico  
June 2007.

- **Deborah Villarroel-Lamb (2006)** Towards the effective prediction of long-term beach morphology on Caribbean coastlines. **Proceedings of the 4<sup>th</sup> LACCEI: International Latin American and Caribbean Conference for Engineering and Technology** held in Mayaguez, Puerto Rico June 2006.

Non-refereed Publications and Related Works:

- **Deborah Villarroel-Lamb, (2007)** Investigation of eroding beaches at Carriacou, Grenada. **Technical Report** generated for the Ministry in Carriacou, Grenada. 6-page Technical Note was prepared to report findings of the investigation and submitted to Mrs. Bernadette Lendore-Sylvester.
- **Deborah Villarroel-Lamb (2013)** Independent review of coastal erosion at Guayaguayare Bay, Trinidad. **Technical Report** generated for The National Energy Cooperation (NEC) in January 2013. 36-page Technical Report was prepared to report findings.
- **Deborah Villarroel-Lamb (2017)** Marine Climate Assessment for Consultant-McNicollsand Associates Limited. **Technical Report** provided an assessment of the marine climate required as design input to the Structural Design and Assessment of the Sea Island Jetty located in Antigua, W.I.