

NAME: Michael David Wilson
michaeld_wilson@hotmail.com

ROLES: Graduate (First Class Honors)
Dept. of Geomatics Engineering and Land
Management, University of the West Indies,
St. Augustine, Trinidad

DISCIPLINES: Land Surveying, Cartography, Photogrammetry,
Hydrography, Remote Sensing, Engineering Sur
veying, Geographic Information Systems (GIS),
Land Valuation, Land Law and Planning.

KEYWORDS: Hydrography, GIS, Land Surveying



RESEARCH INTERESTS:

Natural disasters are not seen as hazardous until they interact with humans, human residence and socio economic activities. It is therefore necessary to identify the geospatial dimensions of the hazards with reference to human activities. Due to recent natural disasters coastal communities are vulnerable to the effects of a rise in the level of the sea, regardless if these coastal communities are located in a developed or undeveloped country. Climate change, in particular sea level rise occurs at different levels and will affect the global population. Consequently, a GIS approach to emergency response is important to save lives and reduce economic loss.

As a student researcher at International Community-University Research Alliance program (ICURA), Michael analyzed the socio economic impact of sea level rise on the coastal community of Grande Riviere using geomatic modeling. This was performed by linking the attribute data (socio-economic) which was obtained by surveys to the buildings and objects of Grande Riviere found on a digital map. Analysis of the socio- economic impacts of sea level rise was done by looking at different geomatic models of sea level rise. Such an analysis can be used to formulate methods for the mitigation, adaption or resiliency to a rise in the level of the sea.

BIOGRAPHY:

Michael Wilson is a 23 year old Geomatics Engineer and graduate (First Class Honors) of the University of the West Indies, St. Augustine Campus, Department of Geomatics Engineering and Land Management. He intends to pursue a M.Sc in Hydrographic Surveying. He has worked as a student researcher at International Community-University Research Alliance program (ICURA), UWI, St. Augustine, Trinidad and Tobago where he actively worked to assess the socio-economic impact of sea level rise on Grande Riviere using geomatics models.