

October 2015

Martin (Marty) Wanielista

**a. Overview of Information**

Marty is the past executive director of the Stormwater Management Academy and Professor Emeritus at the University of Central Florida (UCF). He has been at UCF for 45 years. He is also a consultant on stormwater management Manuals and planning methods.

Education: He has a Civil Engineering degree from the University of Detroit, Masters from Manhattan College, and PhD in Environmental Systems from Cornell.

Research: He has completed over 90 research projects in the areas of Hydrology, Stormwater Management and Pollution Control. He is currently working on three research projects and with consultants on nutrient reduction and water reuse plans.

In the last 5 years, he was part of a team working on stormwater manuals in Jacksonville, Sarasota County, Pinellas County, and a state-wide BMP manual. He has helped other consultants in the development of BMP manuals across the Country. These manuals resulted from at least 16 research projects in which he was involved and all related to low impact development for stormwater management. His present research is in the removal of nutrients and in water reuse from stormwater management systems. Many of his publications and computer models are used by professionals and can be downloaded from the Stormwater Academy web site, [www.stormwater.ucf.edu](http://www.stormwater.ucf.edu).

Most recently, he was a committee member of the FHWA 2015 Environmental Excellence Awards Panel and is now a member of a proposal writing committee at the National Academy of Science charged with the responsibility to improve stormwater management. He has over the past 10 years at least 50 other committee assignments related to the development and practice of stormwater management. He has been recognized by his peers receiving 28 awards for this service in his career.

He taught civil and environmental engineering courses at the University of Central Florida for 38 years. Now he instructs as a guest lecturer and hosts workshops on stormwater management methods. He is the primary author of the BMPTRAINS computer model used to analyze and design stormwater management systems for nutrient removal.

**b. Professional Activities**

President of STE (1971, for 44 years), now managing partner of STE LLC (2007).  
Partner in more than 50 water quality projects in the State, everything from new developments to re-development of stormwater management systems.  
Professor Emeritus, University of Central Florida April, 2006.

University Distinguished Professor, August 2003.  
Director, Stormwater Management Academy, November 2002- August 2012.  
Dean of Engineering and Computer Science, UCF (June 1, 1993 – August 7, 2003).  
Professor of Engineering (September, 1976).  
Director-Research & Interim Assoc. Dean, Engineering College (1985-1987).  
Chair-Civil Engineering and Environmental Sciences Department (1978-1985).  
Associate Professor of Engineering (1972 to 1976).  
Assistant Professor of Engineering, (1970 to 1972).  
Chair, State of Florida Colleges of Engineering Council (1995-2003).  
45 years as a Faculty member at UCF.

### **Scientific and Professional Societies**

1. Registered Professional Engineer: Florida (#17709) since April 1973.
2. Member, 5 Professional Societies.
3. Diplomat, Academy of Environmental Engineers,
4. Diplomat, American Academy of Water Resources Engineers.

### **c. Related Research and Publications**

#### Selected ones:

Wanielista M.P. and Yousef, Y.A., Stormwater Management, J.Wiley and Sons, New York, 1993, 579 pages.

Wanielista M. P. and Kersten, R. and Eaglin, R. Hydrology, J. Wiley and Sons, N.Y. 1997, 567 pages.

Wanielista, Martin. (2014): BMPTRAINS model, Florida Department of Transportation Design Conference, Lake Buena Vista Florida June.

Research Project: Stormwater Harvesting Using Retention and In-Line Pipes, Florida Department of Transportation, \$370,000, May 2008 – May 2013.

Research Project: Floating Wetland Systems for Nutrient Removal in Stormwater Treatment Ponds, Florida Department of Transportation, \$200,706, Mar 2010 – Mar 2012, (with Manoj Chopra and Ni-Bin Chang).

Research Project: Demonstration Project for Bio-sorption Activated Media for Ultra-urban Stormwater Treatment, Florida Department of Transportation (FDOT) (PI: Marty Wanielista; Co-PIs: Manoj Chopra, Ni-Bin Chang, Andrew Randal) \$277,999, Sept. 7, 2012 - May 4, 2014.

Research Project: Erosion and Sediment Control BMP Standards and Manual Update, Florida Department of Transportation (FDOT), (PI: Manoj Chopra; Co-PI: Marty Wanielista) \$126,134, April 2, 2012 - Nov. 3, 2014.

Research Project: Maintenance Practices of Stormwater Runoff (Phase 2), Florida Department of Transportation (FDOT) (PI: Ni-Bin Chang; Co-PI: Patrick Bohlen, Martin Wanielista) \$100,000, Jan. 15, 2014 – May 31, 2015.

Wanielista, Martin (2015): Biosorption Media, STORMCON, Austin, Tx. August.

Over 300 publications (includes 7 books, about 120 refereed publications)