

<b>Name:</b>	Mijail Arias-Hidalgo		
<b>Academic Rank:</b>	Associate Professor	<b>FT</b> X	<b>PT</b>
<b>Professional Registration ID:</b> 09-4472			

<b>EDUCATION</b>			
<b>Degree</b>	<b>Field</b>	<b>Institution</b>	<b>Graduating year</b>
Doctorate (PhD)	Water Science and Engineering	Delft University of Technology and UNESCO-IHE, Institute for Water Education.	2012
Master (MSc)	Water Science and Engineering, specialization Hydroinformatics	UNESCO-IHE, Institute for Water Education	2008
Bachelor	Civil Engineering	Escuela Superior Politecnica del Litoral	2002

<b>ACADEMIC EXPERIENCE</b>		
<b>Institution</b>	<b>Location</b>	<b>Date Range</b>
Escuela Superior Politecnica del Litoral	Ecuador	05/2013– Current

<b>NON-ACADEMIC EXPERIENCE</b>		
<b>(Consulting, Industry, etc.)</b>	<b>Location</b>	<b>Date</b>
<b>Ministry of Risk Management.</b> - Advisor on Water Resources and the Flood Control and Risk Management Program.	Guayaquil, Ecuador	2013
<b>WETWin Project, FP-7, Researcher.</b>	European Union	2008 – 2011
<b>Deltares Institute (former Delft Hydraulics), Researcher.</b>	Delft, the Netherlands	2007 – 2008
<b>ENERMAX S.A.</b> - Inspector Engineer of Calope Hydropower Project.	La Mana, Cotopaxi, Ecuador	2005 - 2006
<b>CONSULNAC – GEOTECNIA Y MATERIALES CIA. LTDA.</b> - Project engineer for Geometric Design Projects. Oct. 2002 to March 2005.	Guayaquil, Ecuador	2002 - 2005
<b>NOVACERO – ACEROPAXI S.A.</b> - Technical & Sales Engineer, Roofs and metallic decks division.	Guayaquil, Ecuador	2001 - 2002
<b>CONORTE – CONCEGUA S. A</b> - Pavement and traffic engineering assistant, Concessions project.	Guayaquil, Ecuador	2000 - 2001

<b>CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS</b>
<ul style="list-style-type: none"> <li>• CIGG (Colegio de Ingenieros Civiles del Guayas – Provincial CE Association)</li> <li>• ASCE (American Association of Civil Engineers)</li> <li>• IAHR (International Association of Hydraulic Research)</li> <li>• IAHS (International Association of Hydrological Sciences)</li> <li>• AGU (American Geophysical Union)</li> <li>• EGU (European Geophysical Union)</li> </ul>

#### **SERVICE ACTIVITIES (WITHIN AND OUTSIDE OF THE INSTITUTION)**

- Reviewer for the Hydrological Sciences Journal (HSJ), since February 2013.
- Escuela Superior Politécnica del Litoral (ESPOL), Guayaquil, Ecuador.- Senior Lecturer / Researcher (Water Science and Engineering), Coordinator ABET of the CE Program. Since March 2015.

#### **PUBLICATIONS AND PRESENTATIONS FROM THE PAST FIVE YEARS**

Publications (5 more relevant)

- Arias-Hidalgo, M., Bhattacharya, B., Mynett, A., van Griensven, A. (2013), "Experiences in using the TRMM data to complement rain gauge data in the Ecuadorian coastal foothills", *Hydrol. Earth Syst. Sci.*, 17, 2905-2915, doi:10.5194/hess-17-2905-2013.
- Arias-Hidalgo, M., G. Villa-Cox, van Griensven, A., Solórzano, G., Villa-Cox, R., Mynett, A.E., Debels, P. (2013). "A decision framework for wetland management in a river basin context: the "Abrás de Mantequilla" case study in the Guayas River Basin, Ecuador", *Journal of Environmental Science & Policy*, 34, 103-114, doi:10.1016/j.envsci.2012.10.009.
- Alvarez-Mieles, G., Irvine, K., van Griensven, A., Arias-Hidalgo, M., Torres, A., Mynett, A. (2013), "Relationships between aquatic biotic communities and water quality in a tropical river-wetland system (Ecuador)", *Journal of Environmental Science & Policy*, 34, 115-127, doi:10.1016/j.envsci.2013.01.011.
- Arias-Hidalgo, M., Villa-Cox, G., van Griensven, A., Debels, P., Mynett, A.E. (2011) "Decision Support system for wetland & catchment management based on modeling & expert judgment: Abrás de Mantequilla wetland & Vínces-Chojampe subbasins in Ecuador", *Proceedings of the Stockholm Water Week*, Stockholm, Sweden, August 2011.
- Arias-Hidalgo, M., Villa-Cox, G., van Griensven, A., Mynett, A.E. (2011), "Filling missing data in streamflow series for supporting models". Valentine, M., Apelt, C., Ball, J., et al (Eds.), *Proceedings of the 34th World Congress of the International Association for Hydro-Environment Research and Engineering : 33rd Hydrology and Water Resources Symposium and 10th Conference on Hydraulics in Water Engineering*, Brisbane, Australia, 4016-4022.
- Arias M., van Griensven, A., Debels P., Mynett A.E., (2010) "Comprehending the wetland-river catchment integrated system". *Proc. 8th International Symposium on Ecohydraulics*, Seoul, Korea, Sept. 2010, 355-362.
- Li, H., Arias, M., Blauw, A., Los, H., Mynett, A.E., Peters, S. (2010). "Enhancing generic ecological model for short-term prediction of Southern North Sea algal dynamics with remote sensing images." *Journal of Ecological Modelling* 221(20): 2435-2446.

#### **RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES IN DESIGN COURSES IN CE PROGRAM**

- Lecturer of the course FICT02915 (Hydraulics) at ESPOL-FICT, since 2013.
- [2015] Delft 3D, Modelling of Coastal and estuary dynamics. INOCAR – DELTARES, Guayaquil – Ecuador.
- [2014] Latin-American IAHR congress. Program of Faculty Members' Training, Santiago de Chile, Chile.
- [2014] "Sediment Transport during hydrological extreme events", International Association of Hydraulic Research (IAHR), Santiago, Chile.
- [2011] "Uncertainty propagation in spatial & environmental models", Wageningen University, the Netherlands.

- [2011] "Implementation of Geo-portals, under OGC specifications", ESPOL – FICT, Guayaquil, Ecuador.
- [2010] "Geostatistics", Wageningen University, the Netherlands.