

2016 M_w 7.8 MUISNE ECUADOR EARTHQUAKE

Introduction to Speakers

by **Doug Gonzalez, PE**

Leslie E. Robertson Associates

President of SEAoNY

(Structural Engineers Association of New York)



2016 M_w 7.8 Ecuador Earthquake
Mini-Symposium, NYC, 5/30/17



GUILLERMO DIAZ-FANAS, PE Sr. Geotechnical Engineer, WSP USA



Guillermo Diaz-Fanas is with the Geotechnical & Tunneling Technical Excellence Center of WSP USA. His education in civil engineering includes a bachelor from the Dom. Republic and a master from Urbana-Champaign. Mr. Diaz-Fanas more than 7 years of design experience of critical facilities and high-rise projects. Locally, he is a Director of EERI-NYNE chapter, and committee member of Met Section's Infrastructure Group, GI, YMF. He is co-chair of EERI Younger Members committee and member of EERI School Earthquake Safety Initiative and ASCE Earthquake Eng & Soil Dynamics committees. Guillermo was the GEER recorder in the GEER-ATC mission to Ecuador and has co-authored several publications about this event.



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VIRGINIA DIAZ, PE Project Engineer, Gilsanz Murray Steficek



Virginia Diaz is a Project Engineer with Gilsanz Murray Steficek (GMS) in NYC. She is a registered PE in Argentina and in California. Ms. Diaz has worked on a variety of projects including hospitals, retail, banks, and interior fit-outs. Among her recent projects are the Louis Vuitton retail location, the Gensler offices, and the 9/11 Tribute Center. Prior to GMS, she worked on high rise and large-scale projects in Argentina including the El Aleph in Buenos Aires. Ms. Diaz traveled to Ecuador in April 2016 with the GEER-ATC team as the ATC recorder to investigate earthquake preparedness and recovery and seismic code issues.



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GABRIELA M. LYVERS, PE Army Corps of Engineers (USACE) RMC



Gabriela M. Lyvers, is a Structural Engineer in the US Army Corps of Engineers (USACE) Risk Management Center since 2003. Ms. Lyvers experience is in design, analysis and risk assessment of structural components of flood control and navigable dams under hydrologic and seismic loading. Her knowledge includes development and implementation of risk analysis methodology of concrete gravity dams under seismic loading. She has facilitated numerous risk analyses and expert elicitations for evaluation of potential failure modes and has lead multiple risk assessments of dams of the USACE inventory for funding prioritization. Ms. Lyvers has a bachelor from the Univ. of Louisville and a masters from Georgia Institute of Technology, with a PE license in Kentucky.



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ENRIQUE MORALES, PhD

Lieutenant Colonel, EACE & ESPE



Dr. Lieutenant Colonel Enrique Morales is Chair of Civil Eng. at the Ecuadorian Armed Forces University (ESPE). His education includes a bachelor from ESPE, and master and doctoral degrees from Univ. at Buffalo. He is a practicing Army engineer in Ecuador with more than 20 years of experience. He was a professor of the Army Academy and project leader with the Ecuadorian Army Corps of Engineers (EACE) including rehabilitation of hospitals after 1998 Bahía de Caráquez earthquake. Having the personal experience of living for 3 years in areas affected by earthquakes, Dr. Morales is focusing on risk reduction and improvement of resiliency of essential structures against natural hazards using advanced technologies to protect Ecuadorian communities.



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MARCELO ROMO

ESPE and EACE Engineering Advisor



Marcelo Romo received his bachelor in Civil Engineering from the University of the Armed Forces of Ecuador (ESPE). His education includes a masters from Cornell University. Marcelo Romo has been a Civil Engineering Professor at ESPE University for more than 30 years. His design practicing engineering experience includes cable stayed bridges, posttensioning segmental bridges, prestressed long bridges, earth dams, tunnels and buildings. He was responsible for the design and for construction advice of "Los Caras" Bridge in Ecuador and for the structural aspects of rehabilitation of more than 20 bridges affected by the 2016 Muisne Earthquake.



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