espol Escuela Superior Politécnica del Litoral

Name:	Egüez-Álava Hugo E.		
Academic Rank:	Professor	**FT**	**PT** X
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EDUCATION			
Degree	**Field**	**Institution**	**Graduating year**
Master (MSc)	Master of Science in Mineral Processing Engineering	West Virginia State University	1987
Bachelor	Geological Engineering	Escuela Superior Politecnica del Litoral	1985
PhD	Civil Engineering	Ghent University	2016

ACADEMIC EXPERIENCE		
Institution	**Location**	**Date Range**
Escuela Superior Politécnica del Litoral	Guayaquil, Ecuador	1987 - 2012

NON-ACADEMIC EXPERIENCE		
(Consulting, Industry, etc.)	**Location**	**Date**
Concrete Technical Center; Quality Coordinator, Holcim Group-Ecuador.	Ecuador	1992 - Current

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- CICG (Colegio de Ingenieros Civiles del Guayas).
- Member of RILEM (Réunion Internationale des Laboratoires et Experts des Matériaux, systèmes de construction et ouvrages, France).

HONORS AND AWARDS

- Philanthropic Medal to best bachelor 1984

PUBLICATIONS AND PRESENTATIONS FROM THE PAST FIVE YEARS

PUBLICATIONS

- Proposed mechanism for the formation of oxychloride crystals during sodium chloride application as a deicer salt in carbonated concrete. Published in Construction & Building Materials (CBM). Volume 109C, 2016, Pages 188-197 ·
- Chloride interaction with concretes subjected to a permanent splitting tensile stress level of 65%. Published in Construction & Building Materials (CBM). Volume 126, 2016, Pages 527-538. ·
- Test Methods to Determine Durability of Concrete under Combined Environmental Actions and Mechanical Load - Final report of RILEM TC 246-TDC. Materials & Structures journal. 2017, volume 50-2. Pages 1-9. ·
- Calibrated quantitative thermogravimetric analysis for the determination of portlandite and calcite content in hydrated cementitious systems. Materials & Structures journal. 2017, volume 50:179

CONFERENCES

- The influence of carbonation on deicer scaling resistance of Blast Furnace Slag Concrete (BFSC). Proceedings of the “XIII INT. CONF. ON DURABILITY OF BUILDING MATERIALS”; Sao Paulo Brasil September 02-05, 2014 ·
- The ingress of chlorides in concrete under compressive or tensile loads. Proceedings of the “14th International Congress on the Chemistry of Cement (ICCC 2015); Beijing, China October 13-16, 2015.
- Chloride penetration in concrete under compression or splitting tensile load representing 60 - 65 percent of the ultimate load. Proceedings of “International RILEM Conference on Materials, Systems and Structures in Civil Engineering”; 22-24 August 2016, Technical University of Denmark, Lyngby, Denmark. ·
- Sodium Chloride ingress into OPC concrete subjected to compressive load. 14th InternationalConference on Durability of Building Materials and Components. 29-31 May 2017. Ghent-Belgium.