

RESUME

Dr. Maria Elisa Elberg

PhD in Engineering and Applied Sciences (c), Master of Science in Structural Engineering, Civil Engineer.

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Overview	<p>Dr. Elberg has over fourteen years of experience working as a professor in the Geological Engineering Department of University de Los Andes in Venezuela. In those years she has utilized both her vast technical knowledge and understanding of engineering to develop three courses for the University's Master Degree Program in Applied Mathematics in Engineering. She has also published over 50 professional articles, and mentored students in writing over 40 research papers. As a result, Dr. Elberg has received sixteen awards for her research and has been invited to attend over 30 conferences in her areas of expertise, which include:</p> <table><tr><td>Civil Engineering</td><td>Geotechnical</td></tr><tr><td>Structural Engineering</td><td>Geotectonic</td></tr><tr><td>Geological Engineering</td><td>Finite Element Method</td></tr><tr><td>Geomechanic and Geodynamic</td><td>Artificial Neural Network</td></tr></table>	Civil Engineering	Geotechnical	Structural Engineering	Geotectonic	Geological Engineering	Finite Element Method	Geomechanic and Geodynamic	Artificial Neural Network
Civil Engineering	Geotechnical								
Structural Engineering	Geotectonic								
Geological Engineering	Finite Element Method								
Geomechanic and Geodynamic	Artificial Neural Network								
Education	<p>PhD in Engineering and Applied Sciences (c), 2013 Master of Science in Structural Engineering, 2002 Civil Engineer, 1992 Scientific Applications Programmer, 1985</p>								
Languages	<p>Spanish and English</p>								
Employment	<p>University de Los Andes. Faculty of Engineering and Geological Engineering. ASSOCIATE PROFESSOR Department of Geomechanics, University de Los Andes DIRECTOR for 3 years Research Group in Applied Geology, University de Los Andes DIRECTOR for 7 years Laboratory of Subsurface Interpretation, University de Los Andes DIRECTOR for 4 years</p>								
Postgraduate Courses	<p>Geomechanical Simulation Fundamental Geomechanics Finite Element Method Numerical Analysis I - Numerical Analysis II</p>								
Undergraduate Courses	<p>Strength of Materials Topography</p>								
Extension Courses	<p>Geomechanical Simulation - Finite Element Method Geomechanical Simulation - Finite Element Method for beginners ABAQUS advanced program using FEM Rock Mechanics - Rock Mechanics for non-geologists Altimetric Topography - Selection and design of roads in mountainous areas</p>								

References and Supporting Documentation Furnished Upon Request