



**National University of Engineering**  
**College of Civil Engineering**  
**Civil Engineering Program**

Name	Carlos Zavala
Professional Title	Civil Engineer - Professional Engineer
Highest Academic Degree	Doctor in Civil Engineering
Level	3 - Principal Professor
Education	<ul style="list-style-type: none"> <li>• Doctor in Civil Engineering, Tokyo University, Japan, 1994.</li> <li>• Master in Structural Engineering, National University of Engineering, Lima, Peru, 1990.</li> <li>• Civil Engineer. National University of Engineering UNI, Peru, 1985.</li> </ul>
Professional and Academic Experience	<ul style="list-style-type: none"> <li>• Professor at College of Civil Engineering, National University of Engineering, Lima, Peru, 1990 to date</li> <li>• Professor at Civil Engineering Program, Ricardo Palma University, 1989 to date.</li> <li>• Director of Peru - Japan Center for Research on Anti Seismic Engineering and Disaster Mitigation CISMID, 1999-2001, 2007-2013.</li> <li>• Chief of Project: Seismic Microzonig of Chinchabaja and Tambo de Mora Cities, CISMID-World Bank, Peru.</li> <li>• Chief of Project: Seismic Microzonig of Pisco, San Luis and Huaytara, CISMID-Prime Minister Office, Peru.</li> <li>• Chief of Project: Seismic Microzonig of Six Districts of Lima City, Ministry of Housing and Sanitation-BID-CISMID, Lima, Peru, 2010.</li> <li>• Consultant on structural engineering for diverse construction projects in several regions of Peru, 2005 to date.</li> </ul>
Member of Scientific and Professional Societies	<ul style="list-style-type: none"> <li>• Peruvian Association of Professional Engineers CIP. Chapter of Civil Engineering.</li> <li>• American Concrete Institute ACI.</li> <li>• Asia Pacific Studies Network REDAP.</li> </ul>
Institutional and Professional Service	<ul style="list-style-type: none"> <li>• Committee Coordinator for evaluating the vulnerability of infrastructure of Hipolito Unanue Hospital, Lima, Peru.</li> <li>• Consultant for Panamerican Health Organization, 2009.</li> <li>• Consultant for diverse infrastructure project sponsored by the Ministry of Housing and Sanitation, Lima, Peru.</li> <li>• Consultant for diverse infrastructure projects sponsored by Japan International Cooperation Agency, JICA, Peru.</li> </ul>
Awards and Acknowledgments	<ul style="list-style-type: none"> <li>• Recipient of Japanese Government Scholarship for Master and Doctor Courses, 1998-2004.</li> <li>• Award to best instructor in semester 2005-1, College of Civil</li> </ul>

	Engineering, National University of Engineering, 2005.
Conferences and publications	<ul style="list-style-type: none"> <li>• “Seismic Vulnerability of Housing in La Molina District, Lima, Peru”, Mexican Congress of Seismic Engineering, Mexico, 2005.</li> <li>• “Full Scale On-Line Test on Two Story Masonry Building Using Handmade Bricks”, 13th World Conference on Earthquake Engineering–WCEE, Vancouver, Canada, 2004.</li> <li>• “Seismic Vulnerability of La Molina District”, Sixth Multilateral Workshop on Development of Earthquake Engineering and Tsunami Disaster Mitigation Technologies and their Integration for the Asia-Pacific Region, Japan, 2003.</li> <li>• “Full Scale Test on Steel Arch with Non-Conventional Purlin under Lateral and Gravity Loads, 2nd. World Conference on Structural Engineering, Yokohama Japan, 2002.</li> <li>• “Lessons from the Atico Earthquake 2001”, Chile Symposium on Anti Seismic Engineering, Chile, 2002.</li> <li>• “Recent Natural Disasters in Peru”, Multilateral Workshop on Development of Earthquake Engineering and Tsunami Disaster Mitigation Technologies and their Integration for the Asia-Pacific Region, Philippines, November 2000.</li> <li>• “An Alternative Construction System Using Light Gauges Steel Sections and Concrete Panels”, International Workshop on Housing Systems, Chiba, Japan, 2000.</li> <li>• “Energy Dissipation Light Steel Panel on Masonry Walls”, Fifth Pacific Structural Steel Conference, Seoul, Korea, 1998.</li> <li>• “Special Factors on Substructuring Hybrid Simulation Implementation”, Seminar of Kanto Chapter of Architectural Institute of Japan, Japan, 1992.</li> <li>• “Neural Network Predictor in Hybrid Earthquake Response: Performance and Applicability”, Journal of Structural Engineering Vol.40B, Architectural Institute of Japan, 1994.</li> </ul>
Other Activities	<ul style="list-style-type: none"> <li>• Vice-President of Peruvian Association of Japanese Government Scholars APEBEMO, 2009 to date.</li> </ul>
Languages	<ul style="list-style-type: none"> <li>• High level of written and spoken English.</li> <li>• Intermediate level of spoken and written Japanese.</li> </ul>