

**RODOLFO GERARDO HERMOSILLA,**  
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More than 50 years of projects and project management experience in the construction industry. Highly familiar with planning, designing and construction of commercial, industrial, condominium and housing projects. Professional construction management, managing projects within strict budgets. Serving as an experienced Owner's representative to protect the Client's and project's best interests and foremost, reducing overall project costs and contractual risks analyses. Act as a liaison to fully and seamlessly integrate the participants; with outstanding record of optimizing and accelerating the design and construction schedule, protecting the Owner from unnecessary liability and providing management expertise applying resources wherever needed.

## **PROFESSIONAL EXPERIENCE**

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- ❖ Design, management, administration, supervision, inspection and construction projects in the different construction areas, like: agro-industry, hospitals, radiotherapy facilities, health centers, office, retail, condominiums, real estate developments, tourism, sports facilities, renewable energy and medium and low-cost housing
- ❖ Consultant and advisor for insurance companies in the evaluation of damages, due to natural catastrophes, earthquakes, flooding, hurricanes, volcanic eruptions, tornadoes, explosions, construction accidents and/or technical construction problems.
- ❖ A&E Firm for the design and supervision of the construction projects: a) two story classrooms building and b) two story innovation and technology center for Universidad del Valle de Guatemala, South Campus, granted by ASHA/USAID
- ❖ Structural designer and consultant for different projects in Guatemala, El Salvador, Honduras, Nicaragua, Cayman Islands and United States.
- ❖ Proprietorship and General Manager of consulting and construction companies in Guatemala, Honduras and United States.

- ❖ Consulting in management, finance, marketing, accounting, risk management, forensic accounting and engineering, project development and social responsibility programs.
- ❖ Member of the Guatemalan Commission to evaluate the damages due to the 1972 earthquake in Nicaragua.
- ❖ Professional Construction Manager for the Reconstruction of town San Pedro Sacatepequez, Guatemala due to the complete destruction of the Earthquake in 1976, helping the survivors to rebuild their homes and restructure their businesses to get back into normal life, about 15,000 people. (Project awarded by Rotary International as one the 10 best executed projects in the world).
- ❖ Full Member of the Committee on Leadership and Management, ASCE 2016-2018
- ❖ Mediator in conflict resolution in the construction industry

## **ACADEMIC EXPERIENCE**

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- ❖ Dean of the School of Engineering at Universidad Rafael Landivar in Guatemala 1972 – 1978.
- ❖ Professor of several subjects related to engineering, management, marketing, finance, accounting, ethics at Universidad de San Carlos de Guatemala, Universidad Rafael Landivar, Universidad Francisco Marroquin and Universidad del Valle de Guatemala in Guatemala, Universidad Nacional de Honduras, Universidad Catholica and Universidad de San Pedro Sula and Unitec in Honduras and Prairie View Texas A & M in Texas, United States.

## **EDUCATION**

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- ❖ HARVARD BUSINESS SCHOOL, OPM 5, 1981.
- ❖ HARVARD UNIVERSITY, Graduate School of Arts and Sciences, Master of Science in Soil Mechanics, 1969.
- ❖ UNIVERSIDAD DE SAN CARLOS DE GUATEMALA, Bachelor of Science in Industrial Engineering 1969.

- ❖ UNIVERSIDAD DE SAN CARLOS DE GUATEMALA, Bachelor of Science in Civil Engineering 1967.

## **CONFERENCE PRESENTATIONS**

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- ❖ The 12th. Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts, St. Louis, Missouri, USA, January 2011.
- ❖ European Geosciences Union General Assembly, Vienna, Austria, April 2012.
- ❖ The Consequences of Lack of Ethics and Responsibility in Engineering, ALCONPAT, Antigua, Guatemala, September 2016
- ❖ Forensic Civil Engineering a Tool to Detect Corruption in any Project, 5<sup>th</sup>. Congress of Architecture and Civil Engineering Students, Guatemala City, Guatemala, May 2018

## **PUBLICATIONS**

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- ❖ The Guatemala City Sinkholes Collapses, February 2011, Conference Proceedings.
- ❖ The Guatemala City Sinkholes Collapses, Springer, June 2012, Carbonates and Evaporites.
- ❖ New Information on the Guatemala Sinkholes from the Post Collapse Investigations, Conference Proceedings 2012.
- ❖ NAFE contributes to Forensic Engineering in Guatemala, PE Magazine September – October 2016

## **PUBLICATIONS THAT HAVE MENTIONED AS A REFERENCE; ARTICLE “THE GUATEMALA CITY SINKHOLES COLLAPSES”, “CARBONATES AND EVAPORATIVES, SPRINGER, JUNE 2012”**

- ❖ Klyeon Kim, Jonnyoung Kim, Tae-Young Kwak, Choong-Ki Chung, Natural Hazards, May 2018 “Logistic regression model for sinkhole susceptibility due to damaged sewer pipes” Seoul National University, Seoul, Korea.

- ❖ M. Prasad, V. Sunitha, M. Ramakrishna Reddy, Journal Indian of Geophysical Union. March 2017 “Bedrock Structural Controls on the Occurrence of Sinkholes: A Case Study from Chintakommadinne Area, Part of Cuddapah Basin, South India”. Yogi Vemana University, Kadapa, Andhra Pradesh, India.
- ❖ Yao Tang, International Journal for Numerical and Analytical Methods in Geomechanics, March 2017 “A coupled discrete element model for the simulation of soil and water flow through an orifice”. University of Alberta, Edmonton, AB, Canada.
- ❖ Theofilos Toulkeridis, Fabian Rodriguez Espinosa, Nelson Arias, Carmen Diaz Perez, Natural Hazards and Earth System Sciences, September 2016, “Causes and consequences of the sinkhole at El Trébol of Quito, Ecuador - Implications for economic damage and risk assessment”. Universidad de las Fuerzas Armadas, Sangolquí, Ecuador.
- ❖ Lynn B. Yuhr, Richard C. Benson, Chapter Book: Site characterization in karst and pseudokarst terrains, January 2016 “Insight into the nature of cover collapse sinkholes”. 14<sup>th</sup>. Multidisciplinary Conference on Sinkholes, October 2015, Rochester, Minnesota.
- ❖ Lynn B. Yuhr, Richard C. Benson, Chapter Book: Site characterization in karst and pseudokarst terrains, January 2016 “Karst and its damaging impact”. 14<sup>th</sup>. Multidisciplinary Conference on Sinkholes, October 2015, Rochester, Minnesota.
- ❖ George Veni, Andrew Glassbrenner, Connie Brashear, Conference Paper, January 2015 National Cave and Karst Research Institute Symposium “Building codes to minimize cover collapses in sinkhole-prone areas”. Conference: National Cave and Karst Research Institute Symposium 5. Carlsbad, New Mexico.
- ❖ M. Parise, Conference: Conference: 16th International Congress of Speleology, January 2013, “Recognition of instability features in artificial cavities”. Università degli studi di Bari Aldo Moro, Bari, Italy.

## **ASSOCIATIONS**

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- ❖ Colegio de Ingenieros de Guatemala No. 651
- ❖ Colegio de Ingenieros Civiles de Honduras No. 2735
- ❖ American Society of Civil Engineers No. 492579
- ❖ American Society of Mechanical Engineers No.100512736
- ❖ National Society of Professional Engineers No. 300177012

- ❖ National Academy of Forensic Engineers No. 877 International
- ❖ International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)
- ❖ American Institute of Steel Construction
- ❖ Concrete Reinforced Steel Institute
- ❖ International Society for Helical Foundations
- ❖ Harvard Alumni Association
- ❖ Harvard Business School Alumni Association
- ❖ 1636 Society
- ❖ Guatemalan Association for Structural Engineers (Board Member)
- ❖ American Arbitration Association 91410
- ❖ European Geosciences Union 173204