



domingodelgadomartinez@gmail.com



aapia.cfia.or.cr



DOMINGO ERNESTO DELGADO MARTÍNEZ

Dr_ Geological / Civil Engineer

Geological Engineer, Civil Engineer, and Doctor of Technical Sciences, with more than 30 years of academic and professional experience in geotechnical engineering, pavements, and highways. He has worked in Cuba and Costa Rica as a university lecturer, researcher, consultant, and technical manager, holding senior positions including Full Professor, Academic Vice-Rector, and Manager of Geotechnical Engineering. He has led numerous geotechnical, road, and transportation engineering studies and projects and has conducted more than a decade of scientific research on soil mechanics, slope stability, and road safety. He is proficient in specialized software including AutoCAD Civil 3D, Plaxis, GEO5, and others, and has extensive experience in the design of foundations, retaining walls, pavements, and supervision of roadway construction projects.

ACADEMIC BACKGROUND

- **[2005]** Civil Engineer, Universidad Central “Marta Abreu” de Las Villas, Cuba.
- **[2003]** Doctor of Technical Sciences, Universidad Central “Marta Abreu” de Las Villas, Cuba.
- **[1999]** Master’s Degree in Geological Sciences, specialization in Geotechnical Engineering, Instituto Superior Minero Metalúrgico de Moa, Cuba.
- **[1990]** Geological Mining Engineer, with a Master of Science in Geology, Instituto Estatal de Minas de San Petersburgo, Russia.

PROFESSIONAL EXPERIENCE

- **[1990–1995]** Department of Geological Engineering, Empresa de Investigaciones y Proyectos Hidráulicos de Villa Clara (E.I.P.H.-V.C.) — Research Institute of Hydraulic Resources, Cuba.
- **[1995–1999]** Department of Construction, Faculty of Technical Sciences, Universidad Central “Félix Varela” de Villa Clara, Cuba.
- **[1999–2011]** Department of Civil Engineering, Faculty of Construction, Universidad Central de Las Villas (UCLV), Cuba.
- **[2011–Present]** Compañía Asesora de Construcción e Ingeniería, S.A. (CACISA) — Accredited under INTE-ISO/IEC 17025:2005, INTE-ISO/IEC 17020:2012, and ISO 9001:2015, Costa Rica.
- **[Present]** Consultant for technical projects and services.

TEACHING EXPERIENCE

- **[2014–Present]** Universidad Latina de Costa Rica — Academic Director, School of Civil Engineering, San Pedro Campus; professor, researcher, and undergraduate thesis advisor and examination committee member.

PUBLICATIONS

- **[2017]** *Análisis de la estabilidad de taludes en suelos y rocas blandas. Caso de estudio: taludes de la RN 856, Costa Rica.* Published in the proceedings of the XI International Symposium on Structures and Geotechnics, Universidad Central de Las Villas.
- **[2019]** *Estabilidad y probabilidad de falla en taludes de Costa Rica.* Published in the proceedings of the XII International Symposium on Structures and Geotechnics, Universidad Central de Las Villas.
- **[2020]** *Probabilistic Analysis of Slope Stability in Soils and Soft Rocks.* Published in the 5th International Conference on Geotechnical Research and Engineering (ICGRE’20), Toronto, Canada.
- **[2021]** *Modelos de velocidad de operación de carreteras rurales en terreno llano en Costa Rica.* Enfoque UTE, 12(2), 52–68.
- **[2022]** *Experiencias en el diseño y construcción de muros de suelo reforzado. Caso de estudio RN 2 en Costa Rica.* II Seminario de Reparación y Restauración de Taludes 2022.
- **[2023]** *Desarrollo de modelos de velocidad de operación de carreteras en terreno llano en Costa Rica.* Revista Ingeniería Investigación y Tecnología, Vol. XXIV, No. 4, October–December 2023, pp. 1–10.