

# NOEL IRAOLA, PHD



## PROFESSIONAL PROFILE

Noel Iraola is a senior structural engineer and university professor with expertise in structural design, restoration, and project management. He has leadership experience in project consulting and multidisciplinary construction oversight, working on projects in Cuba, the Caribbean, Latin America, North America, and Africa.

## EXPERIENCE

- Manager, Structural Project and Consulting Group (1994-2006).
- Project Manager (2006-2008).
- Manager, Research, Development, and Innovation Team (2009-2012).
- Project, construction, and supervision practice (2012-2022).
- EEC's Senior Structural Engineer (2023 -2026)

## SELECTED STRUCTURAL PROJECTS

### International Financial Bank

Restoration Project

Oversaw the restoration of a historic building, Enhancing structural integrity and aesthetics. UNESCO World Heritage Site.

### International Bank. Hamilton Reserve Bank - Nevis

Structural design of a composite structure and a Special Moment Frame multistory building.

### Camilo Cienfuegos Memorial in Camagüey - Cuba

Led the design for the Cienfuegos Petroleum Refinery, improving operational efficiency and safety.

### Camagüey Government Headquarters Building

Senior Structural Engineer

### Camilo Cienfuegos Petroleum Refinery.

Led the design for the Cienfuegos Petroleum Refinery, improving operational efficiency and safety.

### Paredón Key Lighthouse.

Structural Repair Project

### Other Projects

More than ten 4-star hotels, in addition to schools, residential buildings, hospitals, community clinics and health centers, pharmacies, physiotherapy rooms, video halls, warehouses, offices, gas stations, and shopping malls.

## EDUCATION

### **Master of Structural Design**

Kuibyshev Institute

Graduated in 1991

Summa Cum Laude

### **PhD in Structural Engineering**

J.A. Echeverría Polytechnic Institute

2005-2010

## VOLUNTEER WORK

### **Engineering Mentor**

Camagüey Engineering Association

January 2015 - December 2020

- Mentored engineering students in practical applications and career planning.
- Organized workshops to promote engineering awareness in local schools.
- Participated in community projects to improve infrastructure and public spaces.

 <http://ebenezerengineeringconsulting.com>

 +1869-661-0400

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## INTERNATIONAL EXPERIENCE

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- Overseas projects in community housing, general buildings, and infrastructure in Angola, Antigua and Barbuda, Panama, Mexico, Peru, Saint Kitts and Nevis, Saint Lucia, Suriname, Colombia, Canada, the United States, Uruguay, and Jamaica.
- Overseas construction supervision experience in Saint Kitts and Nevis and Antigua and Barbuda.

## SELECTED PUBLICATIONS & TECHNICAL CONTRIBUTIONS

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- Design manual on hollow-core prestressed extruded slabs (Havana, 2007; ISBN 978-959-247-035-4).
- Construction practical tools for hollow-core prestressed systems (ISBN 978-959-247-043-9).
- Publications on floor and roof systems, loading resistance of prestressed hollow-core slabs with topping, and shear resistance in specialized engineering journals in Spain, Colombia, Mexico, and Cuba.
- Experimental research on push-out tests, interface performance models, and seismic and fire performance of hollow-core slab systems.
- Technical papers presented through UPADI 2012 and other international engineering forums.

## INTERNATIONAL CONFERENCES & PROFESSIONAL EVENTS

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- International Convention of the Pan-American Union of Engineers, Brazil, 2008.
- 1st International Symposium on Prefabricated Flooring for Seismic Areas, Mexico, 2011.
- 1st and 9th International Symposia on Structures, Geotechnics and Construction Materials.
- 1st, 2nd, and 6th International Engineering Conventions (2008, 2010, 2019).
- Ibero-American Event on Housing, 1999.
- 33rd Pan-American Engineering Convention (UPADI 2012).
- 4th and 5th International Conferences on Construction (2000, 2002).
- 2nd International Session on Civil Engineering, 2004.