



## **WIMAL SUARIS, PhD, P.E. - VICE PRESIDENT OF ENGINEERING**

### **SUMMARY OF**

**QUALIFICATIONS:** Over 24 years of work experience as a Structural Engineer Consultant for numerous commercial and residential projects, failure analysis and expert witness testimony. College Professor of Civil and Architectural Engineering.

**EDUCATION:** NORTHWESTERN Evanston, IL  
**PhD CIVIL ENGINEERING**  
1983

### **WORK EXPERIENCE:**

8/09 – Present DLG ENGINEERING, INC South Miami, FL  
**VICE PRESIDENT OF ENGINEERING**

1987- Present CIVIL AND ARCHITECTURAL ENGINEERING  
**ASSOCIATE PROFESSOR**

Mechanics of Solids I, II- Design of Steel Structures- Design of Concrete Structures- Senior Design Project- Prestressed Concrete Structures (Grad. Level)- Reinforces Masonry Design (Grad. Level)- Advanced Design of Steel Structures (Grad. Level)- Structural Dynamics (Grad. Level)- Engineering Fracture Mechanics (Grad. Level)- Advanced Topics in Concrete (Grad. Level)

2007- Present MIAMI WIND RESEARCH COLLABORATIVE FOR WIND ENGINEERING  
**DIRECTOR**

1985- Present STRUCTURAL ENGINEERING CONSULTANT

### **STRUCTURAL DESIGN PROJECTS:**

- YMCA, Charlotte North Carolina. 2005
- Georgia World Congress Center, Atlanta. 2003
- Valencia Community College, Public Safety Institute, Aircraft Rescue and Fire Fighting Facility, Orlando Airport. 2001-2003
- YMCA, East Lakes, Atlanta. 2001-2003
- Concourse E Extension, Hartsfield Int. Airport, Atlanta. 1999-2002
- Miscellaneous building additional for Miami Dade County Public Schools: Miami Norland Senior High, Miami Springs Senior High, Hialeah-Miami Lakes Senior High, Southwest Miami Senior High, Braddock Senior High. 1999

- Analysis and design of discharge conduits for Everglades Restoration Project, South Florida Water Management District. 1998-1999
- Design of height restrictor barriers and the design of framing for supporting new cooling towers at the Miami International Airport. 1999-2003
- Analysis and design of buried drainage structures for the 5<sup>th</sup> runway, Hartsfield International Airport, Atlanta. 2000
- Analysis of pipe lines for surcharge loads, Atlanta Fulton County Water Treatment Plant. 2001-2004

**FAILURE ANALYSIS AND REHABILITATIVE PROJECTS:**

- Structural condition assessment of 75-year historic schools for the Miami-Dade County Public Schools and directing structural repairs for retrofitting, Miami Senior High, Shenandoah Middle School and W.J. Bryan Elementary 2003.
- Structural Failure analysis and retrofitting- MDCPS schools Marjorie Stoneman Douglas Elementary, Howard Doolin Middle. 2003
- Failure analysis and hurricane hazard mitigation studies, Miami Dade Aviation Department- Building 5 and 33, Commissary building and Aircraft hangers.
- Structural evaluation of weather station towers, South Florida Water Management District. 2003

**STRUCTURAL REVIEW PROJECTS:**

- Shaw Park Cultural Center, Trinidad and Tobago. 2006
- DNA Building, Trinidad and Tobago. 2005
- Review of Mounting of DMS signs, FDOT. 2006
- Review of structural designs for IVHS sign bridges, Florida Department of Transportation. 1997
- Failure analysis and Evaluation of Construction deficiencies in residential and commercial structures; evaluation of unsafe structures and evaluation of building products in the aftermath of hurricane Andrew, Dade County Dept. of Building and Zoning. 1992- 1993

**AWARDS:** Sanford E. Thompson Award presented by: ASTM Committee C9 on Cement and Concrete. 1983

Award for Outstanding Service, ASCE. 1986

Excellence in Teaching Award, XI Epsilon. 1987

**REFERENCES:** Available upon request.