

## Vandin Calitu, P.E.

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### Education

1997-1999

#### **UNIVERSITY OF MIAMI - Coral Gables, FL**

Master of Science - May 1999, Civil, Architectural and Environmental Engineering

1990-1995

#### **BUCHAREST TECHNICAL UNIVERSITY – Bucharest, Romania, Europe**

Bachelor of Science - June 1995, Major – Civil and Building Services Engineering

### Professional Memberships

- Professional Engineer (PE) licensed in Florida since 2001
- North Springs Improvement District (NSID) Board of Supervisors 2011-2013
- Member of ASCE (American Society of Civil Engineers)

### Work Experience

2009-Present

#### **VLC ONE, Inc. – Hollywood, FL 33019**

##### **President**

- Provide engineering consulting services, design, special inspections, certification, permitting, construction administration and management for residential and small to large size commercial and municipal clients: condos, hotels, office buildings, warehouses, medical facilities, parking garages, etc.
- Hundreds of concrete restoration (including painting) projects and special inspector on countless projects throughout Broward, Miami-Dade and Palm Beach counties, such as:
  - MANA Wynwood – Over 50 buildings in downtown Miami area – Concrete Restoration
  - Lake Harbor Towers, Lake Park, FL – Concrete Restoration
  - Galt Ocean Terrace, Fort Lauderdale, FL – Concrete Restoration
  - Turtle Lake Condos (12 buildings), Naples, FL – Concrete Restoration
  - Golden View Condos, Hallandale Beach, FL – Concrete Restoration
  - Kings Point Condos (20 buildings), Delray Beach, FL – Concrete Restoration
  - Hillsboro Mile (3 buildings), Hillsboro Beach, FL – Concrete Restoration
  - Crystal Lake Condos (3 buildings), Pompano Beach, FL – Concrete Restoration
  - Placide Condo, Boca Raton, FL – Concrete Restoration
  - Ocean Harbor Condos, Deerfield Beach, FL – Concrete Restoration
  - Ever April Condos, Pompano Beach, FL – Concrete Restoration
  - Cambridge Towers, Hollywood, FL – Concrete Restoration
- Numerous pin piles, push piles and helical piles designs, engineering and special inspections for residential and commercial projects in Miami-Dade, Broward and Palm Beach counties
- 40/50 Year Building Recertification Program inspections and reports throughout South Florida
- Structural assessments, client assistance for violation clearance, after-the-fact legalization and permitting
- Extensive litigation experience related to sinkholes, water damage, flood and wind damage, construction issues
- Hundreds of structural assessment reports in South Florida and Gulf Coast areas
- Complete 5-Year Stormwater Permit Renewal certifications required by North Springs Improvement District (NSID) and Coral Springs Improvement District (CSID) for numerous subdivisions, commercial plazas and developments throughout Coral Springs and Parkland
- Water storage tanks inspections and certification reports in Broward and Palm Beach County

10/2012 – 03/2014

#### **Century Building Restoration USA – Hollywood, FL 33020**

##### **Vice President of Engineering**

- Coordinate all engineering and construction activities on major projects including new construction, water and wastewater treatment, underground utilities, commercial, residential, etc. Some of the major projects:
  - NSID RO Treatment Plant (new construction) – Membrane Bldg. - Coral Springs, FL
  - Nob Hill Road 20" Force Main Installation – Parkland, FL
  - Lift Station W-15 Upgrade – City of Hollywood, FL
  - Lift Station E-14 Wet Well Improvements – City of Hollywood, FL
  - WTP West Filter – North Lauderdale, FL
  - Accelerators Rehabilitation – North Lauderdale, FL
  - Vlad Residence – Sinkhole Stabilization - Hollywood, FL

- Le Cercle Condominium – Concrete Restoration – Fort Lauderdale, FL
- Quadomain Condominium - Concrete Restoration – Fort Lauderdale, FL
- The Mirage Apartments – Concrete Restoration – Coral Springs, FL

10/2006-10/2012

**ARCADIS/Malcolm Pirnie – Plantation, FL 33324**

**Senior Project Manager**

- Served as Senior Project Manager on numerous planning, design and construction projects, including:

**Miami Dade Water and Sewer Department (MDWASD), FL projects:**

- Water and Sewer Consulting Engineer's Report – FY 2006 thru 2012 - (provided yearly inspections of the County's three WWTPs and three WTPs along with up to 50 lift and pump stations, interview WASD staff and management and discuss required upgrades, rehabilitation, new systems etc. to be documented in the annual report)
- Emergency Response Plan Development for the South Regional WWTP and Preston WTP

**City of Hollywood, FL projects:**

- RO Membrane Plant Expansion (four skids, 2 MGD each) design and constr. mgmt.
- Floridan Aquifer Production Wells No. 6 & 7 (drilling, wellheads, vaults, pumps, raw water transmission mains) design and construction management
- Floridan Aquifer Production Wells No. 10 & 13 (drilling) design and construction mgmt.
- WTP Scrubber System Expansion – design and construction management
- Floridan Aquifer Raw Water Piping - design and construction management
- Deep Injection Well for MS/RO Concentrate Disposal – design and construction mgmt.
- DIW Booster Pump Station & WTP Electrical Improvements – design and constr. mgmt.
- WTP Flowmeters Replacement – design and construction management
- HVAC Improvements for MS/RO Building – construction management

**City of North Miami Beach, FL projects:**

- North Miami Beach VOC Removal and WTP Expansion – design and construction mgmt.
- Biscayne Aquifer Monitoring Wells Installation – design and construction mgmt.
- NMB VOC Removal and WTP Improvements – Phase 2 – design and constr. mgmt.

**City of Coconut Creek, FL projects:**

- Water Storage Tank, Pump Station and Administrative Building – design and construction management – Admin Bldg. received Gold Medal Building of America Award

8/2005 – 10/2006

**CDM – Fort Lauderdale, FL, 33309**

**Project Manager / Civil Engineer**

- Provided management, design and field expertise on several projects including:
  - Concentrate injection well rehab (West Palm Beach) and new concentrate injection well design (City of Deerfield Beach)
  - Complex hydraulic modeling of raw and finished water transmission/distribution systems (City of Pompano Beach)
  - RO membrane plant design (City of Clewiston and City of Deerfield Beach)
  - Membrane Bioreactor design and wastewater treatment plant expansion (City of Marco Island)

7/1999 – 8/2005

**CH2M HILL – Coral Springs, FL, 33076**

**Project Manager / Civil Engineer**

- Project Engineer on several buildings investigation projects such as:
  - GSA Fort-Lauderdale Federal Courthouse, Fort Lauderdale, FL: Performed complete diagnosis of the 22-year-old, four-story building for storm damage, moisture intrusion and HVAC-related problems
  - Disney Grand Floridian Resort, Orlando, FL: Performed test and balance analysis and investigated various problems related to indoor air quality for the seven buildings comprising the famous resort
  - GTE Genuity – Network Buildings, MI, IN, FL: Provided full site and buildings investigation, load calculations, and design support for several network buildings throughout the U.S.
- Project Field Engineer for 6 projects (WTP and WWTP) in Florida, Georgia and Republic of Singapore:
  - Changi WWTP in Singapore, the largest wastewater treatment plant in the world (650 MGD); Designed the solids handling system and the odor control system
  - Bonita Springs WTP and WRF in Florida; Worked on site in the last five months of the projects to coordinate the submittal of completion documents; wrote the SOP's (Standard Operating Procedures) for most of the process equipment for both plants
  - F. Wayne Hill WRF, Buford, GA; Assistant chief engineer for the "state-of-the-art" 60 MGD water reclamation facility; Assisted client in the equipment pre-select process, reviewed contracts and refined terms and conditions; Coordinated first construction phase.
  - CSID WTP and WWTP, NSID WTP, Coral Springs, FL and Moore Haven WTP, FL: Coordinate all design, drafting, bidding, construction (from ground up) and permitting activities on these projects;

Heavily involved in business development

- Project management experience on design-build jobs between \$1 and \$660 mil.

8/1997 – 7/1999

**UNIVERSITY OF MIAMI – Coral Gables, FL, 33146**  
**Teaching and Research Assistant**

2/1996 – 8/1997

**CLIMALUX CENTER LTD. - Bucharest, Romania**  
**Design Engineer**

- Designed air conditioning installations Lennox, Daikin, Carrier, Mitsubishi, Tadiran per ASHRAE standards
- Developed computer software for loads calculation and equipment selection
- Studied and applied with good results a/c ducts made of ALP (aluminum polyurethane foam)
- Increased sales by 45%

9/1995 – 2/1996

**ROMANIAN ENVIRONMENTAL PROTECTION INSTITUTE - Bucharest, Romania**  
**Research Engineer**

- Assisted with the improvements of existing water and wastewater treatment plants
- Researched HCFC's retrofitting with ecological refrigerants as R134a in HVAC field

**Languages**

- Fluent in English
- Romanian native

**Skills**

- Great management abilities and communication skills based on extensive experience and continuous interaction with clients, contractors, operators, regulatory agencies, manufacturers, vendors, etc.
- Versatility and extended knowledge in several engineering disciplines and construction process.
- Excellent writing skills perfected through hundreds of reports, technical memorandum, proposals, etc.
- Unique blend of experience in construction projects from planning, design, bid, construction and start-up
- Proficient in Primavera, Microsoft Project, Xactimate, SharePoint, AutoCAD, Microstation, Word, Excel, PowerPoint, Visio
- Experienced in computer programming and modeling: H2OMAP Water, WaterCAD, SewerCAD, CHVAC

**Litigation Experience**

1. Ioan and Marioara Godiciu d/b/a Ardeal Apartments v. Nova Casualty Company, 17<sup>th</sup> Judicial Circuit in and for Broward County, Florida Case No. CASE NO.: 09-66002 (02) (Judge Bowman). Prepared (for plaintiff) a peer review of Nova Engineering and Environmental, Inc.'s **Subsurface Investigation Report** and Florida Testing & Environmental, Inc.'s **Report of Settlement Investigation**, including structural assessment, including assessment of structural damage to roof of apartment complex, and damage estimate, in sinkhole litigation. Deposition testimony was provided in this case.
2. Clena Investments, LLC v. XL Specialty Insurance Corp., United States District Court, Southern District of Florida Case No. 10-62028-RNS-Rosenbaum. Expert witness testimony (Deposition and Daubert Hearing). Preparation of expert report/analysis/peer review relating to cause & scope of Hurricane Wilma damages to roof of commercial shopping center.
3. Secu v. Universal Property & Cas. Ins. Co., 17<sup>th</sup> Circuit in and for Broward County, Florida, Case No. 09-065416 (05). Prepared peer review of Mortensen Engineering subsidence investigation. Deposition taken. Trial testimony.
4. Bayazi v. Sawgrass Mutual Insurance Company, Water Damage, Claim Number: 32196. Prepared water damage investigation report. Deposition taken.
5. Martin Bedick and Lorraine Bedick v. State Farm Florida. Ins. Co., 15<sup>th</sup> Circuit in and for Palm Beach County, Florida, Case No. 502013CA001165XXXXMB. Prepared peer review of Cause and Origin Evaluation Report prepared by Twenty First Century Engineering, Inc. Deposition taken.
6. ICON Constructors v. Solomon Fellig., Case Number: 02-16-0005-5789. Prepared property assessment report and Xactimate cost estimate. Deposition taken. Expert testimony provided at final arbitration

hearing.

7. Estrella Rivas v. Citizens Property Ins. Co., Claim Number: 001-00-005391. Prepared structural damage assessment report. Deposition taken
8. Coral Bay Marina v. Citizens Property Ins. Co., Claim Number: 001-00-149910. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
9. Karl Wagner v. American Strategic Ins. Co., Civil Action Number: 18-CV-10065-KMM. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
10. Argos Properties, LLC v. Wright National Flood Ins. Co., Civil Action Number: 4:18-CV-10064-KMM. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
11. Islamorada Leisure Properties, LLC d/b/a Pines & Palms Resort v. Bankers Ins. Group, Civil Action Number: 4:18-CV-10186-KMM. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
12. Drop Anchor Resort & Marina v. Wright National Flood Ins. Co., Civil Action Number: 4:18-CIV-10063. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken.
13. Iona Sandrey v. American Strategic Ins. Co., Civil Action Number: 4:18-CV-10138-JEM. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
14. Anchorage Resort & Yacht Club v. Old Dominion Ins. Co., Civil Action Number: 4:18-CV-10113-JEM. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
15. Chesapeake Motel & Villas, Inc. v. Wright National Flood Ins. Co., Civil Action Number: 4:18-CV-10161-JEM. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
16. Shawn Cosgrove v. Wright National Flood Ins. Co., U.S. Dist. S.D.Fla. Case No. 4:18-CV-10117-KMM. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken. Trial testimony.
17. Coral Bay Marina v. Hartford Ins. Co. of Midwest, U.S. Dist. S.D.Fla. Case No. 18-10116-CIV. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken. Trial testimony.
18. Islamorada Leisure Properties, LLC d/b/a Pines & Palms Resort v. Wright National Flood Ins. Co., Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken. Trial testimony.
19. Drop Anchor Resort & Marina v. Citizens Property Ins. Co., Case Number: 18-CA-430P. Prepared Hurricane Irma damage assessment report and cost estimate. Deposition taken
20. Jose Rubino Alvarez & Belinda Olivo v. Citizens Property Ins. Co., Case Number: 17-CA-7729. Prepared structural damage assessment report. Deposition taken
21. Chesapeake Motel & Villas, Inc. v. Citizens Property Ins. Corp., Monroe Cty. Circuit Court Case No. 19-CA-482-P. Prepared Hurricane Irma wind damage assessment report and cost estimate. Deposition taken.
22. Elizabeth Wood v. Homeowners' Choice Property & Cas. Ins. Co., Monroe Cty. Circuit Court Case No. 2020-CA-262-P
23. Meir Cohen and Bracha Feiner v. Citizens Prop. & Cas. Ins. Corp., Broward Cty. Circuit Court Case No. CACE-21-019557. Prepared Tropical Storm Mindy wind damage assessment. Deposition taken.