

1. Name and Academic Rank

Dan D. Nale, PE, Visiting Professor of Practice August 2019 to Present

2. Education

B.S. Civil Engineering, The Citadel, 1982

M.S. Civil Engineering (Structural / Mechanical), University of SC, 1989

Ph.D. Civil Engineering (Geotechnical / Mechanical), University of SC, 1996

MBA Business Administration, Mercer, 2007

3. Academic Experience

August 2020 – December 2020

Civil Engineering 203, Dynamics - 1 Section

Civil Engineering 314, Engineering Economics – 3 Sections

Civil Engineering 412, Practice & Professional Engineering Licensure – 2 Sections

Capstone Civil, Electrical, Mechanical & Project Management Course Support

January 2020 – May 2020

Capstone Civil, Electrical, Mechanical & Project Management Course Support

Civil Engineering 203, Dynamics - 2 Sections

Civil Engineering 202, Mechanics of Materials – 2 Sections

Civil Engineering 101, Materials Laboratory – 1 Section

Civil Engineering 433/482 Senior Design – Supply Chain Management

August 2019 – December 2019

Capstone Civil, Electrical, Mechanical & Project Management Course Support

Civil Engineering 203, Dynamics – 1 Section

Civil Engineering 314, Engineering Economics – 2 Sections

Civil Engineering 412, Practice & Professional Engineering Licensure – 1 Section

Project Management 650 & 652 – Graduate Class Guest Lecture – Ethics & Supply

Chain

Electrical Engineering 421, Senior Design - Guest Lecture – Business Cases &

Supply Chain

Mechanical Engineering 481, Senior Design - Guest Lecture – Business Cases &

Supply Chain

Civil Engineering 432/481, Senior Design – Capital Improvements Savannah

International Airport

August 2018 – May 2019

Volunteer at The Citadel while employed with Gulfstream Aerospace Corporation:

The Citadel Leadership Symposium Panel Member

Capstone Civil, Electrical, Mechanical & Project Management Course Support

Baker Business Bowl Judge

The Citadel Business School Advisory Board Member

4. Non-Academic Experience

DDN Consulting, LLC – Savannah, GA & Charleston, SC:

May 2019 to Present – **President**

- Program Management & Engineering Consulting with Gulfstream Aerospace and other companies

Gulfstream Aerospace Corporation – Savannah, GA:

2013 to April 2019 (Retired) – **Senior Vice President of Programs, Engineering & Test**

- Reports to the President of Gulfstream Aerospace - Provides status updates to Chairman and Chief Executive Officer of General Dynamics
- Manages 2000 highly trained, technical positions including 150 pilots
- Responsible for Research and Development, Aircraft Programs, Flight Operations, Flight Test and Lab Testing
- Oversees an annual budget of approximately \$300M
- Engineering Guest Lecturing at The Citadel - Volunteered approximately 10 hours per month from August 2018 – March 2019 at The Citadel in the Senior Engineering Design Capstone Courses for Civil & Environmental, Mechanical, Electrical and Project Management
- Judge for the Citadel Baker Bull Dog Business Bowl Final Round – March 2019

2010 to 2013 – **Vice President of Advanced Aircraft Programs**

- Reported to the Senior Vice President of Programs, Engineering and Test
- Responsible for the Design, Engineering, Manufacturing and Testing of all new G500 and G600 Aircraft.
- Responsible for a cross-functional matrix organization of approximately 1000 people.
- Oversaw an annual budget \$200M

2003 to 2013 – **Vice President of the Midsize Cabin Programs**

- Reported to the Senior Vice President of Programs, Engineering and Test
- Responsible for the G100/G150/G200/G280 product design, production, certification and delivery to customers
- Negotiated and managed revenue sharing agreements, contracts, and specifications with Israeli Aerospace Industries in Tel Aviv
- Responsible for a cross functional matrix organization of approximately 100 people.
- Achieved a \$1B revenue goal; Managed an annual budget of \$40M

1995 to 2003 – **Vice President of Engineering and Technology**

- Reported to the Senior Vice President of Programs, Engineering and Test
- Oversaw all Engineering disciplines for Production, Service, Research and Development
- Technically responsible for aircraft design, reliability, budgets, and performance to schedule
- Managed a staff of nearly 800
- Managed an annual budget of \$150M

1993 to 1995 – **Production Integration Director**

- Reported to the Vice President of Programs
- Responsible for the GV Initial Design and Certification and for various systems including BMW/Rolls-Royce (BRR) 710 Engine, Honeywell Auxiliary Power Unit, Fuel System, Airframe Design, GV Full Scale Structure Test, and Material Review Board.
- Served as Lead Structures Designated Engineering Representative with extended test plan approval authority by FAA.
- Managed a cross-functional team of approx. 150 people
- Oversaw an annual budget of \$10M

1985 to 1993 – Increasing Technical and Leadership Positions ranging from Engineer I to Group Head to Manager of Structural Design and Analysis

- Supported the design and build of the G-IV and G-V aircraft
- Served as FAA Structures Designated Engineering Representative

Grumman Aerospace Corporation, Bethpage, NY

1983 to 1985 - Space Shuttle Wing Program

- Worked as an entry-level engineer for the Structural Design, and Flight Support, and Monitoring of the space shuttle wing. Grumman designed and built the space shuttle wing. Responsible for monitoring and continuing to support future shuttle launches
- Analyzed all strain gage data collected on the *Challenger* and *Columbia* shuttle wings to validate the design, post flight

5. Certification or Professional Registration

Georgia Registered Professional Engineer

Private Pilot's License

FAA Designated Engineering Representation 1990-1996

6. Current Memberships in Professional Organizations

American Society of Civil Engineers (ASCE)

Aircraft Owners and Pilots Association

South Carolina Aviation Association

7. Honors and Award

The Citadel Honor Court Member – 1981
Tau Beta Pi Engineering Honor Society – 1981
Phi Kappa Phi Engineering Honor Society - 2019

8. Service Activities (within and outside of the institution)

Baker Business Bowl – Judge and Sponsor in support of Engineering Excellence

Dan D. Nale Engineering Scholarship – Yearly \$5000 Scholarship Award to Engineering Student and Dependent of Retired Gulfstream Employee. 2019 & 2020
\$5000 award to cadet Kenneth Spurlock

9. Publications and Presentations in the Past Five Years

American Society of Civil Engineers South Carolina Aviation Infrastructure Report

Wood, T., Nale, D., ASEE Conference Proceeding, *Closing the Homework Feedback Loop Using Dual-Submission-with-Reflection Homework Methodology Published*, Date Published: June 2020, Conference Award Recipient

Ghanat, S., Davis, J., Burke, R., Nale, D. (Presenting Author), ASEE Conference Proceeding, *Engagement in Practice: Adopting Service Learning and Community Engagement as a High Impact Teaching Strategy in Geotechnical Engineering*, Date Published: June 2020

10. Professional Development in the Past Five Years

Georgia Professional Engineer Professional Development Hours 60 in 2020