

2020 MAE Outstanding Alumni Awards

Mr. Carlos Bravo

M.S. Aerospace Engineering – UF

B.S. Aerospace Engineering – UF

Professional Career

Karlhaus Realty, 2007 - Present

- **President, CEO**

Karlhaus Development, 2005 – Present

- **Chairman**

USinternetworking Inc. 1998 – 2001

- **Executive Officer, Vice President**

IIT Holdings Inc. IIT Holdings Inc., 1997 - 1998

- **Partner, Co-founder**

Comdisco, 1995 - 1997

- **Vice President, Principal**

Intrad Group, 1991 - 1995

- **Co-Founder, Managing Director**

Bravo International Corporation, 1989 – 1995

- **President, CEO**

Amcotech Inc., 1985 – 1989

- **COO**

Snap-on Tools, 1985 – 1989

- **Project Manager**

General Electric, 1983 – 1985

- **Systems Manager**



Dr. Marianne Francois

Ph. D. (2002) Aerospace Engineering – UF

Professional Career

Los Alamos National Laboratory 08/19-11/19

- Acting Deputy Division Leader for T-division

Los Alamos National Laboratory 08/18-Present

- Program manager for Physics and Engineering Models

Los Alamos National Laboratory 11/17-Present

- Level 3 Manager for National Security Applications within Exascale Computing Project

Los Alamos National Laboratory 08/15-08/18

- Group Leader XCP-4, Methods and Algorithms Group, Computational Physics Division

Los Alamos National Laboratory 01/16-08/18

- Project Leader for Mix and Burn within ASC PEM program

Los Alamos National Laboratory, 08/12-08/15

- Deputy Group Leader Acting Group Leader (11/13-01/14 and 06/14-08/14) T-3, Fluid Dynamics and Solid Mechanics Group, Theoretical Division

Los Alamos National Laboratory, 04/14-01/16

- Leader of ASC Additive Manufacturing Effort

Los Alamos National Laboratory, 01/15-08/15

- COSIM Line Leader

Los Alamos National Laboratory, 08/04-08/12

- Scientist CCS-2, Computational Physics and Methods Group, CCS Division

Los Alamos National Laboratory, 11/02-08/04

- Postdoctoral Research Associate



Mr. Michael Gunger

M.S. (1988) Engineering Mechanics - UF

B.S. (1982) Mechanical Engineering – UF

Professional Career

Gunger Engineering, 2007

- **Founder**

Orlando Technology Inc, 1989 (purchased by General Dynamics, 2001)

- **Technical Director**

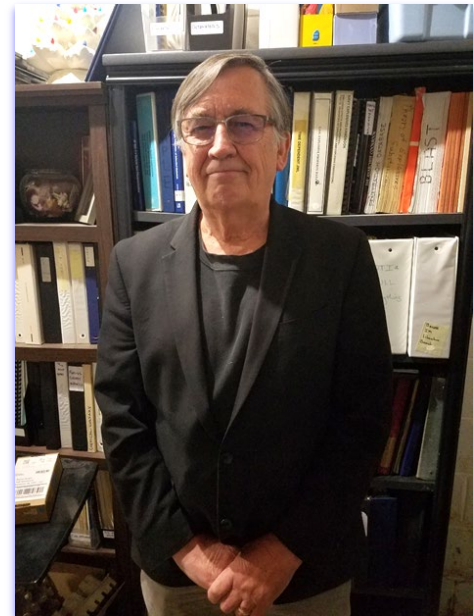
Air Force Research Laboratory, 1982

711th SOS as an AC-130A, 1976

- **Gunship Crew**

United States Air Force, 1971 – 1976

- **Combat Operations**



Dr. Ramesh Marrey

Ph. D. (1995) Engineering Mechanics – UF

M.S. (1991) Engineering Mechanics – UF

Professional Career

Medtronic Neurovascular, September 2019 - present

- **Distinguished Engineer**

Cordis Corporation, a Johnson & Johnson company, April 2001 – September 2019

- **Engineering Fellow & Director of Advanced Engineering Group, R&D; January 2014 –September 2019**
- **Engineering Fellow, Stent Platform, R&D; June 2013 - January 2014**
- **Engineering Fellow/Project Lead - Self-Expanding Stents, R&D; June 2011 - June 2013**
- **Engineering Fellow & Director of Computational Analysis Group, R&D; July 2008 - June 2011**
- **Staff & Principal Engineer, Design & Analysis of Balloon Expandable Stents, R&D; April 2001 - July 2008**

Advance USA, Connecticut, March 1996 - April 2001

- **Group Leader, Computational Modeling & Analysis**



Mr. Shawn Martin

B.S. (1986) Mechanical Engineering – UF

Professional Career

US Special Operations Command, May 2015 - PRESENT

- Senior Engineer, NH-801-IV (GS 14)

US Special Operations Command, OCT 2014-May 2015

- Senior Engineer, NH-801-IV (GS 14)

US Special Operations Command, JUL 2010 to OCT 2014

- Senior Engineer, NH-801-IV (GS 14)

US Special Operations Command, JUL 2008 to JUL 2010

- Senior Engineer, YD-801-03 (GS 14)

US Special Operations Command (USSOCOM), SEP 2003 to JUL 2008

- General Engineer, YD-801-02 (GS 13)

NSWC-PCD Assigned to U S Special Operations Command, AUG 1997 to SEP 2003

- Mechanical Engineer, GS, 0830, 13

Naval Surface Warfare Center – Panama City Detachment (NSWC-PCD), SEP 1987 to JUL 1997

- Mechanical Engineer, GS, 0830, 12

