

**MARK CALABRESE, PE, PMP, ITIL, Green Belt**  
**500 Lake Catherine Drive**  
**Maitland, Florida 32751**  
**(407) 927-9090**

**CURRICULUM VITA:**

Continued teaching of multiple Undergraduate and Graduate level Engineering and Business courses;  
Continued Support of the Department, College and University through Committees, Boards, Panels and  
Participation; Continued Research activities and Senior Design Program Management

**AREAS OF EXPERTISE:**

- Program Management
- Information Technology
- Systems Engineering and Integration
- Fiscal Management and Control
- Contract Management
- Quality, Process Control and Metrics Development
- Corporate Strategic and Long Range Planning
- Customer Satisfaction
- Business Development/Proposal Preparation

**EDUCATION:**

Florida Technological University, Orlando, Florida  
**Bachelor of Science in Engineering (BSE) - June 1978**

University of Central Florida, Orlando, Florida  
**Master of Science in Engineering (MSE) - June 1979**

Colorado State University, Fort Collins, Colorado  
PhD Systems Engineering (**Coursework completed, No Degree Conferred**)

**PROFESSIONAL LICENSES/CERTIFICATIONS:**

**Registered Professional Engineer:**

- Florida (#32743) - October 1982 (Inactive)
- Colorado (#18504) - September 1981 (Active)

**Project Management Professional (PMP)**

- (#1606700) - May 2013 (Active)

**ITIL V3 Foundation Certified - 2011 (Active)**

**Lean Six Sigma Green Belt Certified - 2013**

**EXPERIENCE:**

**University of Central Florida**  
Orlando, Florida

AUG 2006 – Present:        **Associate Instructor & Director of Sr. Design, Industrial Engineering and Management Systems (IEMS)**

Responsibilities include running the Department Senior Design Program, and Program Management for IEMS IT and Engineering Services opportunities.  
Projects/Research include:

## **MARK M. CALABRESE, PE, PMP, ITIL (Continued)**

### **EXPERIENCE: (Continued)**

- U.S. Naval Test Pilot School Sortie Probabilistic Model Development (USNTPS) - research on improving teaching absorption of US & Foreign military experimental test pilots
- U.S. Naval Test Pilot School Sortie Optimization Model Development (USNTPS) - extended research on improving teaching absorption of US & Foreign military experimental test pilots
- Bar Coding (Siemens)
- Hospital Management (VA Hospital, Florida Hospital, Nemours)
- Supply Chain (Publix, Oceaneering)
- Facility Optimization (Publix, Siemens, Aqua, ADS Pipe)
- Process Optimization (Siemens, Publix, ScreenWorksUSA, Brunswick Boats, NASA, United Launch Alliance, GE)
- Hydrogen Leak Detection (Siemens)
- Software Development (Carter, GE)
- Simulation of Ground Processing of Orbital Replacement Units on the International Space Station (NASA/Space Consortium)
- Assessment of an Electronic Work Control System for NASA/KSC (NASA/Space Consortium)
- Simulation of Commercial Processes (Publix)

Further responsibilities include Partnering industry with UCF for collaborative research and funding. Responsible for beginning the robust Corporate Donation process for Sr. Design in the College of Engineering. Obtain resources and student research to build better teaching absorption through real world projects.

Responsibilities also include class preparation and lecture in the areas of:

- Graduate Project Engineering (EIN5140)
- Graduate Engineering Management (EIN6182)
- Undergraduate Cost Engineering (EIN3351) and Economics Analysis (EGN3613)
- Management of Technical Organizations (EIN5108)
- Senior Design (EIN4891C)

### **John Galt (A Sole Proprietorship)**

Maitland, Florida

OCT 2000 – Present:

#### **Project/Program Management Consultant**

President and CEO. (ONLY DURING SUMMERS OFF FROM UCF)

Clients include NASA, Lockheed Martin, Gap Inc., United Space Alliance (USA), L3 Communications, Dynacs Engineering, Northrop Grumman, Command Technologies, Akima, Abacus Technology Corp., Tech Link Solutions LLC, Quietly Making Noise LLC, All Points Logistics, Chickasaw Nation Industries, Modus Operandi, Inc., Craig Technologies, Inc., Agility Defense and Government Services, iGov, The Proposal Center (TPC), Siemens, and HMX Inc. Duties include proposal and program/project management consulting, Business development, Proposal Cost and Management Volume strategy and development, Management consulting, customer satisfaction, business efficiency, performance measurement, management structuring, and process improvement. Sell client companies to validated companies seeking value-added additions to their lines of business. Set up Project Management Organizations (PMO).

**MARK M. CALABRESE, PE, PMP, ITIL (Continued)**

**EXPERIENCE: (Continued)**

**Integrated Business Solutions (a Lockheed Martin Company),**  
Orlando, Florida.

OCT 1999 – OCT 2000: **Enterprise Resource Planning (ERP) Program Director,**  
Senior Executive Management Level.

MAY 1997 – OCT 1999: **Director of Business Operations and Chief Financial Officer,**  
Senior Executive Management Level.

**McDonnell Douglas Corporation,**  
Kennedy Space Center, Florida.

APR 1994 – MAY 1997: **Director of Program Control and Chief Financial Officer,**  
Senior Executive Management Level.

OCT 1991 - APR 1994 **Deputy Director and Deputy Chief Financial Officer (PGOC),**  
Program Control Directorate.  
Senior Executive Management Level.

FEB 1988 - OCT 1991: **Senior Manager (PGOC),**  
Program Analysis & Control Department.  
Executive Management Level.

DEC 1985 - FEB 1988: **Branch Manager,**  
Management Analysis & Control Branch. Responsible for Process  
Reengineering.

**Project Manager,**  
Space Station Operations Simulation Model Project from  
November 1984 - April 1985.

JUL 1983 - DEC 1985: **Senior Engineer,**

**Rockwell International Corporation,**  
Kennedy Space Center, Florida.

MAY 1982 - JUN 1983: **Member Technical Staff III,**  
STS Hydraulics/ APU Engineering and Software Development

**Other Experience:**

1980 - 1982: **Research Associate and PhD Student,**  
Colorado State University

1980 - 1980: **Visiting Assistant Professor of Engineering,**  
University of Central Florida

1979 - 1980: **Systems Engineer,**  
Reynolds, Smith and Hills, Inc.

## **MARK M. CALABRESE, PE, PMP, ITIL (Continued)**

### **PUBLICATIONS:**

- "Commercialization of Scientific Research - Keynote Address", Jordan Society for Scientific Research, 7th Conference on Scientific Research, Amman, Jordan, November 2015 - sharing academic research and experiences to the scientific world
- "Challenges in Strategic Planning and Program (Project) Management - Panel Presentation", Jordan Society for Scientific Research, 7th Conference on Scientific Research, Amman, Jordan, November 2015
- UCF Faculty Focus: *"Teaching Philosophies, Mutual Respect, and Customer Service"*, July 2014
- Book Reviewer: *Fundamentals of Engineering Economic Analysis*; White, Grasman, Case, LaScola Needy and Pratt; Wiley Publishers - infuse better teaching examples for better student absorption of concepts
- Book Reviewer: *Project Management for Engineering, Business and Technology*; Nicholas and Steyn; Routledge Publishers – Multiple Chapter reviews
- *Business Computing Magazine*: Asset Management article
- *"Simulation of the Space Station Logistics Module Turnaround Processing Flow"*, Computers and Industrial Engineering, An International Journal, 1985, Pergamon Press Ltd., Mark Calabrese et al
- *"Space Station Operations Model Project Final Report"*, John F. Kennedy Space Center Contract NAS10-11134, MDC Publication Y0293, April 1985, M.M. Calabrese, Project Manager
- *"Space Station Data Management System"*, John F. Kennedy Space Center Contract NAS10-10385, MDC Publication Y0273, October 1985, M.M. Calabrese, Project Manager

### **RESEARCH:**

- Co-PI: Assessment of The Applicability and Requirements for the Development of an Electronic Work Control System for NASA/KSC (ID 1047484) - \$25,000
- Co-PI: Simulation of Ground Processing of Orbital Replacement Units for the International Space Station (ID 1047438) - \$25,000
- PI: U.S. Naval Test Pilot School Optimization Sortie Model (ID 1056619) - \$34,825- research on improving teaching absorption of US & Foreign military experimental test pilots
- PI: U.S. Naval Test Pilot School Optimization of Probabilistic Sortie Model (ID 1057626) - \$56,190- research on improving teaching absorption of US & Foreign military experimental test pilots
- Pursued-Not Won: Combined Arms Products for Distributed Learning (CAPDL) Infantry IED Course (ID 1054417) - \$40,600- research on better teaching and student absorption methods for soldier safety and survival
- Pursued-Not Won: CAPDL ROTC Electronic Textbook Development (ID 1054416) - \$34,500- research on better student absorption from electronic teaching media
- Pursued-Not Won: CAPDL Signal Support Simulation (ID 1054574) - \$120,000- research on better teaching and student absorption methods for soldier safety and survival
- Pursued-Not Won: CAPDL Personnel Recovery (ID 1054609) - \$250,900- research on better teaching and student absorption methods for soldier safety and survival
- Pursued-Not Won: NASA Ames Education Associates Program (ID 1048935) - \$7,600,000- research on an all inclusive NASA/Academia/Industry education program to take NASA technology to better use and growth platforms
- In-Work: Launch Ops Material Process Optimization (ID 1059102) - \$TBD

### **CONTINUING EDUCATION:**

- PMTI PMO Course, June 2013
- PMTI Fast Forward PMP Certification Course, May 2013
- UCF IDL6543 Online Course Development Course, 2012 - being a better teacher to our remote students
- Teach Lean Six Sigma DMAIC Courses, 2012 - Present
- Lean Six Sigma Green Belt Certified, 2013 - being a better teacher of quality methods
- ITIL Certification Course, Skillsoft, 2011 - being a better teacher of engineering and IT methods
- Lockheed Martin Leadership Institute, 1998
- Mergers & Acquisitions; American Management Association; 1996
- Cost Accounting Standards; Federal Publications, Inc.; 1992
- The Controller's Job in Today's Environment; American Management Association; 1991
- Finance and Accounting for Technical Managers; Integrated Computer Systems; 1989
- Project Management: Skills for Success; Integrated Computer Systems; 1989
- Koepner-Tregoe Problem Solving & Decision Making Course; 1996

**MARK M. CALABRESE, PE, PMP, ITIL (Continued)**

**CONTINUING EDUCATION: (Continued)**

- Sexual Harassment; 1996
- Cultural Diversity; 1996
- Padgett Thompson Knock Your Socks Off Customer Service Training; 1994
- Process Based Management; 1994
- Contracting and Managing for Cash Flow; 1990
- MDC Truth In Negotiations Seminar; 1987
- The Management Diagnostic Center Supervisory Development Seminar; Applied Psychometrics Inc.; 1987

**HONORS AND AWARDS:**

- Keynote Speaker, "Commercialization of Scientific Research", 7th Conference on Scientific Research, Amman, Jordan, November 2015- sharing academic research and experiences to the scientific world
- Panel Leader, "Challenges in Strategic Planning and Program (Project) Management", 7th Conference on Scientific Research, Amman, Jordan, November 2015- sharing academic research and experiences to the scientific world
- UCF College of Engineering Undergraduate Teaching Excellence Award - 2014
- UCF College of Engineering TIP Award - 2014
- UCF College of Engineering Performance Bonus - 2014
- University of Central Florida (UCF) Foundation Board of Directors – 2006 to 2013
- University of Central Florida (UCF) Professional Achievement Award - 2004
- NASA Public Service Medal For Business Management Excellence – 1994
- Appointed Member of the UCF Alumni Council - 1986
- McDonnell Douglas Corporation High Potential Employee - 1984 – 1997
- Rockwell International Graduate Fellowship - 1980

**COMMUNITY AND PROFESSIONAL SERVICES:**

- Society of Sales Engineers Faculty Advisor - 2015 to Present - aid student research in teaching sales methodologies and financial skills
- Alpha Tau Omega Faculty Advisor – 2012 to 2016
- University of Central Florida (UCF) Industrial Engineering Industry Board of Advisors – 2007 to 2016
- University of Central Florida (UCF) College of Engineering 2004 Professional Achievement Award – 2004
- University of Central Florida Foundation Vice Chair – College of Engineering Fundraising Committee – 2004
- University of Central Florida (UCF) College of Engineering Executive Advisory Council – 1995 to 2005
- University of Central Florida (UCF) Foundation Board of Directors – 2006 to 2013
  - Development Committee
  - Audit Committee
  - IT Strategy Committee
  - Finance Committee (Chairman)
  - Directorship Committee
  - Treasurer of the Board (Executive Committee)
- Maitland Middle School PTA; 2005 – 2008
- Maitland Middle School Magazine Sales Volunteer; 2005 – 2006
- Volunteer; Orlando Union Rescue Mission; 2004 – Present
- Board of Directors of New Hope for Kids, A Children's Support Charity; 2000-2004
- Lake Sybelia Elementary School PTA and School Advisory Council; 1999 – 2005
- Lake Sybelia Elementary Washington Mutual School Bank Official; 2003-2005
- Reeves House Condominium Association Board of Directors; 2003 –2005
- New Hope for Kids Chairman of Development; 2000-2003
- Sponsor of Maitland Girls Softball League; 2001-2003
- Sponsor of Winter Park High School Boy's Cross Country Team; 2002
- Tampa Bay Small Business Forum Panel Chairperson; 2002

- Member of the Brevard County School Budget Advisory Committee; 1997

**MARK M. CALABRESE, PE, PMP, ITIL (Continued)**

**COMMUNITY AND PROFESSIONAL SERVICES: (Continued)**

- Children's Home Society and Crisis Nursery Volunteer and contributor; 1993-Present
- American Cancer Society Volunteer; 1994-Present
- Junior Achievement Volunteer; 1986-Present
- March of Dimes Volunteer; 1986-Present
- Member of the McDonnell Douglas Space Systems Company Science, Engineering and Research Career Help (SEARCH) Program; 1991
- Judge of the Brevard County, Florida High School Science Fair; 1991

**REFERENCES:**

Colonel Greg Fortier (910) 988-9220  
U.S. Army  
Pentagon

Mr. Martin Cummins (321) 868-8500  
Director, Business Manager  
Comprehensive Health Services, Inc.

Mr. Stanley Arthur (407) 761-7874  
Admiral, Retired Lockheed Martin President  
U.S. Navy (Retired)

**CLEARANCES:**

Have held Secret with Special Background Investigation (SBI) through the Air Force