

Richard A Grandrino

7 Plantation Court Glassboro, NJ 08028
(W) 215-571-4402 (C) 856-723-1799
e-mail: rag28@drexel.edu

<https://www.linkedin.com/in/richard-grandrino-57814a4>

SUMMARY

Professional engineer with over 37 years of experience mostly in the aerospace and defense industry. Held various positions; design engineer, systems engineer, project engineer, operations analyst, program manager, capture manager and functional manager.

College Professor with over 28 years of experience as an adjunct, part time and full time professor involved with developing and teaching the following graduate level course topics for face to face and on-line format:

- Engineering Management
- Project Management
- Systems Engineering
- Reliability, Availability & Maintainability
- Integrated Logistics and Sustainment
- Production & Operations Management
- Engineering Statistics
- Statistical Data Analysis
- Operations Research
- Modeling & Simulation

EDUCATION & LICENCES

BSME (MECHANICAL ENGINEERING), DREXEL UNIVERSITY (6/80)
MBA (OPERATIONS MANAGEMENT), DREXEL UNIVERSITY (6/90)
Professional Engineering License (PE035223E), State of Pennsylvania since April 1986
Secret Level Security Clearance

ACADEMIC EXPERIENCE

Drexel University; Philadelphia, PA **1994-present**
College of Engineering Systems Engineering & Engineering Management Departments

Associate Teaching Professor (2016-present)

- Develop and teach on-line graduate level courses in Systems Engineering (SE) and Engineering Management (EM) programs; EGMT 571 Engineering Statistics, EGMT 572 Statistical Data Analysis, EGMT 573 Operations Research, EGMT 625 Project Planning, Scheduling & Control, SYSE 685 Systems Engineering Management, SYSE 690 Systems Engineering Analysis II, SYSE 520 Sustainment and Integrated Logistics, SYSE 524 Systems Reliability, Availability and Maintainability Analysis and SYSE 598 Systems Engineering Capstone
- Conduct corporate outreach and recruitment activities such as Webinars, site visits and on- campus recruitment events for the purpose to increase student enrollment in SE and EM graduate programs
- Active member of International Council of Systems Engineers (INCOSE), American Society of Engineering Management (ASEM) and Institute of Operations Research and the Management Sciences (INFORMS). Board member for Delaware Valley INCOSE chapter as Drexel University Liaison. Student faculty advisor for Drexel INCOSE student chapter organization.

Part time and Adjunct Professor (p/t 2012-2016, adjunct 1994-2012) - Developed and taught on-line graduate level courses in Systems Engineering (SE) and Engineering Management (EM) programs. Active member of a four person committee for development and execution of new graduate level systems engineering (SE) program and curriculum. The SE program commenced in September, 2014.

ACADEMIC EXPERIENCE (CONTINUED)

Other Adjunct Assignments and Appointments (1990 - 2015)

- University of Southern Mississippi, Biloxi MS Campus (1990 – 1992)
- Marymount University, Arlington, VA (1993-1994)
- Rutgers University, Camden NJ Campus (1994- 2004)
- Rowan University, Glassboro, NJ (2006-2012)
- New Jersey Institute of Technology, Newark, NJ (1997 -2014)
- Richard Stockton College, Galloway Township NJ (1997-2015)

Major Accomplishments and Awards

- Certificate of Accomplishment, for involvement with developing and executing the graduate level systems engineering program at Drexel University (2014)
- Awarded Outstanding Online Instructor of the year in 2012 for contributions in on-line learning for the Drexel College of Engineering.

INDUSTRY EXPERIENCE

Lockheed Martin; Moorestown New Jersey
MST – Mission Systems & Training Division

1984-2016

Engineering Manager, Maintenance & Field Service (2008-2016)

- Managed the development of corrective and preventive maintenance procedures for sustainment of radar equipment associated with AEGIS Navy ships, Littoral Combat Ship, US Coast Guard ships and USAF Space Fence Radar Program.
- Managed field service activities to support ship / site installations, retrofit and overhaul activities both domestic and foreign, including a 24/7 help desk activity for field support.
- Increased quality of performance as evidence by customer feedbacks.

Program Manager / Capture Manager, Autonomic Logistics (2000-2008)

- Served as assistant capture manager that resulted in a \$142M Contract Award from USMC (awarded September 2007) for the Embedded Platform Logistics System (EPLS).
- Implemented a Sense & Respond Logistics Application at the LM Center of Innovation (Norfolk, VA) which included a military vehicle (HMMWV) asset health monitoring system and remote situational awareness displays.
- Managed the execution of a \$3M ground logistics command and control (GLC2) concept; a contract award from the Office of Naval Research in 2002 & 2003.

Combat Weapon Systems Operations Analyst (1997-2000)

- Developed simulation models for analysis of radar performance, target detection and target engagement activities.
- Conducted monte carlo simulation to evaluate MOPs and MOEs in support of conceptual and preliminary radar and combat weapons systems design.

INDUSTRY EXPERIENCE (CONTINUED)**Project Engineer in Production Operations (1992-1997)**

- Managed production operations for radar and support equipment.
- Served as production customer liaison on a temporary assignment at navy headquarters in Crystal City, VA. From 1992 to 1994.

Senior Engineer in Ship Integration & Test Department (1984-1992)

- Conducted studies and design activities for onboard system / equipment installation.
- Served as on-site installation and test engineer on a temporary assignment at Northrup Grumman Ship Building (Ingalls) in Pascagoula MS from 1990 to 1992.

Naval Ship Systems Engineering Station; Philadelphia Pennsylvania 1982-1984
Project Engineer

- Conducted studies and analysis on Hull, Mechanical & Electric equipment for US Navy AEGIS ships.

Stone & Webster; Cherry Hill New Jersey 1977-1982
Mechanical Engineer

- Conducted stress analysis on systems and components for nuclear power plants; included a 1-1/2 year co-op assignment while attending Drexel University.

Major Accomplishments and Awards

- Successfully managed over \$1M per year contracts (2008 – 2016) for maintenance and supportability services associated with AEGIS Navy Ships (FMS & US Baselines), Littoral Combat Ship (LCS), USCG Deepwater program, Space Fence and MK 92 Radar programs as manager of Maintenance & Field Service Engineering group. Increased quality of performance as evidence by customer feedbacks. Provided 100% on time contract deliverables and managed programs within cost and budget constraints.
- Implemented a joint venture with the Navy Global Distance Support Center for the Aegis Readiness Support Contract. Managed operations at our MST Integrated Support Center (ISC) providing distance support and tech assistance for AEGIS BL7 variants (2012 – 2015)
- Recipient of Outstanding Achievement Award (2003) for work relating to condition based maintenance and sense and respond logistics that resulted in nearly \$3M of contract awards from Office of Naval Research
- Recipient of Presidents Award (1998) for work done as an Operations Analyst on the Littoral Combat Ship Proposal Team
- Recipient of AEGIS Excellence Award (1996) for work done in reducing nearly \$2M of excess inventory
- Recipient of AEGIS Excellence Award (1993) for execution of Gun Weapon System and Command Decision System interface integration and Test program
- Recipient of AEGIS Excellence Award (1986) for integration of MK 36 Super Rapid Offboard Countermeasures System (SRBOC) and MK 50 Decoy Launching System onto AEGIS class ships