

# Mark M. Rose

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## WORK HISTORY

<b>Teaching Associate</b> Coastal Carolina University, Conway, SC	2022-present
<b>Mechanical Engineering Design Consultant</b>	2022-present
<b>Engineering Manager of Research and Development Engineering</b> Glendinning Products, LLC, Conway, SC	2007-Present
<b>Senior Product Development Engineer and Product Engineering Manager</b> AVM Industries, Marion, SC	2001-2007
<b>Sr. Development Engineer</b> Getinge-Castle, Inc., North Charleston, SC	1998-2001
<b>Product Engineering Supervisor</b> Fasco Controls, Shelby, NC	1996-1998
<b>Staff Engineer (sabbatical)</b> Allied Signal, Tucson, AZ	1995-1996
<b>Senior Product Engineer</b> Fasco Controls, Shelby, NC	1988-1995
<b>Manufacturing Engineer and Product Engineer</b> BorgWarner Automotive, Dixon and Decatur, IL	1985-1988
<b>SPC Coordinator and Manufacturing Engineer</b> Switches, Inc., Logansport, IN	1983-1985

## EDUCATION

Currently pursuing a **PhD** in Industrial / Organizational Psychology at Liberty University

**PhD** in Organization and Management, specialization in **Leadership**  
Capella University, Minneapolis, Minnesota 2013  
Dissertation: The relationship between the full range of leadership theory and research  
and development team climate for innovation

<b>Post-Masters Certificate</b> in Teaching, specialization in <b>College Teaching</b> Capella University, Minneapolis, Minnesota	2011
<b>Master of Business Administration</b> , specialization <b>Technical Management</b> University of Phoenix, Phoenix, Arizona	2006
<b>Bachelor of Science, Engineering Technology</b> Purdue University, West Lafayette, Indiana	1983
<b>Associates of Science, Engineering Technology</b> Purdue University, West Lafayette, Indiana	1981

#### OTHER CERTIFICATIONS

Group-Level and Organizational Level Consulting Seminar with DRI Consulting	2023
Veterans' Health Administration PTSD 101	2021
CITI Program for Social and Behavioral Science Researchers	2021

#### TEACHING & TRAINING EXPERIENCE

<b>Teaching Associate</b> Coastal Carolina University, Conway, South Carolina	Present
<ul style="list-style-type: none"><li>Teaching face-to-face sections of engineering graphics communication to undergraduate engineering science, physics, and graphic arts students, instructing basic engineering design principles and SolidWorks computer aided design.</li></ul>	
<b>Intern Mentor and departmental lead</b> <u>Glendinning Products, LLC</u> , Conway, South Carolina	Present
<ul style="list-style-type: none"><li>Lead and train all interns from Coastal Carolina University and Horry Georgetown Technical College (HGTC) and new full-time engineers in SolidWorks Computer aided Design (CAD), train the use of local material planning software, overview of engineering graphics and drawing interpretation, bill of materials creation, and engineering documentation and change processes and train in overall behavior related to being an engineer and working within the manufacturing environment as a cross-functional team member.</li></ul>	
<b>Student Facilitator</b> <u>Capella University</u> , Minneapolis, Minnesota	2011
Course facilitated: <i>Classroom Assessment in Education, ED7712</i>	
<ul style="list-style-type: none"><li>Assisted in the facilitation of a 10-week course to diverse adult learners, responded to learner discussion questions, developed practicum portfolio based upon experiences in the online classroom.</li></ul>	

**Drill Instructor**

United States Army Reserve, 70<sup>th</sup> Division Training, Livonia, Michigan 1982-1994

- Trained new Army recruits and advanced infantry training in common task skills.

**Statistical Process Control Trainer**

Switches, Inc., Logansport, Indiana 1983-1984

- Developed and delivered a statistical process control seminar for all manufacturing personnel.

**PUBLICATIONS**

**DISSERTATION**

Rose, M. (2014). The relationship between the full range of leadership theory and research and development team climate for innovation, Capella University.

**PUBLISHED PATENTS**

- 8,689,953 Sealed Gas Spring Cover
- 7,883,046 Cord Reel
- 7,614,616 Gas spring assembly with selectable intermediate stop
- 6,959,921 Temperature responsive valve assembly for pneumatic spring

**PUBLISHED PATENT APPLICATIONS**

- 20090095350 Actuator for an air intake valve
- 20080012187 Gas spring with pressure switch to identify loss of charge
- 20070251779 Sealed gas spring cover
- 20070158154 Piston assembly with reduced shuttle
- 20060284354 Gas spring assembly with selectable intermediate stop
- 20050173850 Linear electric motor assisted gas spring
- 20040159989 Tubular rod pneumatic spring
- 20040134729 Temperature responsive valve assembly for a pneumatic spring

**PROFESSIONAL ASSOCIATIONS**

- American Psychiatric Association 2021-present
- Society of Industrial/Organizational Psychologists 2021-present
- Southern Management Association (member and reviewer) 2011-present
- Society of Automotive Engineers 2001-2006

**VOLUNTEER EXPERIENCE**

- EET Advisory Committee Member, HGTC.edu, Conway, SC 2018-present
- Judge, First Lego League, Myrtle Beach, SC 2014
- Cub master Boy Scouts of America, Myrtle Beach, SC 2005-2007
- Den leader, Boy Scouts of America, Myrtle Beach, SC 2003-2005
- Program lead, Society of Automotive Engineers *A World in Motion*, Marion, SC 2001-2006

**TECHNICAL SKILLS**

Functionally proficient with SolidWorks CAD, Microsoft Office Excel, Word, and PowerPoint, Microsoft Project, SPSS, Minitab, JMP, Statistica, EndNote, NVivo, Moodle, and Canvas