

# CURRICULUM VITAE

## JAMES M. WHEELER, JR., P.E.

### TITLE

President, J.M. Wheeler & Associates, Inc. Consulting Engineers

### EDUCATION

Rose Hulman Institute of Technology 1968-69  
Bachelor of Science Mechanical Engineering, Honors 1973 University of Florida  
Master of Engineering, 1974 University of Florida  
Copeland Compressor Operation & Service Seminar Ft. Lauderdale, Florida, 1992  
Fire Cause & Origin Florida State Fire College, 1990  
Traffic Accident Reconstruction Northwestern University, 1990  
Traffic Accident Reconstruction Northwestern University, 1991  
EDC Traffic Accident Reconstruction University of Miami, 1994  
EDC Traffic Accident Simulation University of Miami, November 1995  
EDC 3D Collision Simulation, Vehicle Dynamics & Occupant Motion Seminar San Diego, CA 2000  
EDC 3D Collision Simulation, Vehicle Dynamics Seminar Santa Fe, NM 2001  
EDC 3D Collision Simulation, Vehicle Dynamics & Occupant Motion Seminar Las Vegas, NV 2003  
EDC 3D Collision Simulation, Vehicle Dynamics & Occupant Motion Seminar Miami, FL 2005  
EDC 3D Collision Simulation, Vehicle Dynamics & Occupant Motion Seminar Phoenix, AZ 2006  
EDC 3D Collision Simulation, Vehicle Dynamics Seminar San Antonio, TX 2007  
EDC 3D Collision Simulation, Vehicle Dynamics Seminar San Diego, CA 2008  
EDC 3D Collision Simulation, Vehicle Dynamics Seminar Orlando, FL 2009  
EDC 3D Collision Simulation, Vehicle Dynamics Seminar San Antonio, TX 2010  
EDC 3D Collision Simulation, Vehicle Dynamics & Occupant Motion Seminar Phoenix, AZ 2011  
Head and Neck Injury SAE Symposium Troy, Michigan, 1994  
NHTSA Intl Pelvic & Lower Extremity Injury Conference Washington, DC, 1995  
Low Speed Collisions SAE Seminar Vancouver, British Columbia, 1996  
Biomechanics of Impact AAAM Seminar Chicago, Illinois, 1996  
Biomechanics Research AAAM Conference, Orlando, Florida, 1997  
Biomechanics of Impact AAAM Seminar Captiva, Florida, 1998  
Fundamentals of Sensor Design for Automotive Air Bag Systems SAE Troy, Michigan, 1998  
Vehicle Frontal Crash Occupant Safety & Computer Aided Engineering (CAE) SAE Troy, Michigan, 2010  
Braking Performance of Heavy Commercial Vehicles SAE Detroit, Michigan 2001  
Mechanics of Heavy-Duty Truck Systems University of Michigan, Ann Arbor, Michigan 2003  
The Tire as a Vehicle Component SAE Troy, Michigan 2006  
Tire & Wheel Safety Issues SAE Troy, Michigan 2006  
Event Data Recorder, Vetronix CDR System Seminar Roanoke, Virginia 2007  
Caterpillar Electronic Technician Seminar Birmingham, Alabama 2007  
CDR User's Conference (Crash Data Retrieval) Houston, Texas 2008  
CDR User's Conference (Crash Data Retrieval) Houston, Texas 2009  
CDR User's Conference (Crash Data Retrieval) Houston, Texas 2011

### REGISTRATIONS

Registered Professional Engineer: Florida, Georgia, and Maryland, North Carolina, South Carolina, Tennessee, Alabama, New York, New Jersey  
Private Pilot, Instrument Rated

### PROFESSIONAL ASSOCIATIONS

Society of Automotive Engineers (SAE)  
Association for Advancement of Automotive Medicine (AAAM)  
National Society of Professional Engineers (NSPE)  
National Fire Protection Association (NFPA)  
Florida Engineering Society (FES)  
American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)  
International Code Council. (ICC)

### HONOR SOCIETIES

Tau Beta Pi National Engineering Honorary  
Pi Tau Sigma National Mechanical Engineering Honorary

## **AWARDS, PUBLICATIONS, PRESENTATIONS**

Use of Tire Pneumatic Trail with Steer Degree of Freedom Simulations  
HVE Forum 2010 San Antonio, TX  
Use of Crash Test Data for Seat Belt Studies in GATB  
HVE Forum 2011 Phoenix, AZ  
Honorable Mention 1989 Engineering Excellence Awards  
Florida Engineering Society  
Best Paper, ASHRAE Semi-Annual Meeting, 1976  
ASHRAE Crosby Field Award, Best Paper, 1976  
"Cycling Equipment to Save Energy - Potential Adverse Effects",  
Journal of American Hospital Association, September 16, 1978  
"How to Select an Energy Consultant",  
American School and University, May 1979

## **PROFESSIONAL EXPERIENCE**

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| 1983 - Date | President, J.M. Wheeler & Associates, Inc., Consulting Engineers<br>Seminole, Florida  |
| 1981 - 1983 | Vice President, Mather Group, Inc., Consulting Engineers<br>St. Petersburg Beach, Florida  |
| 1977 - 1981 | Director of Energy Services<br>Stottler, Stagg & Associates, Architects & Engineers<br>Cape Canaveral, Florida   |
| 1974 - 1977 | Senior Design Engineer<br>Reynolds, Smith and Hills, Architects & Engineers<br>Jacksonville, Florida   |
| 1973-1974   | Graduate Studies<br>University of Florida  |
| 1968-1974   | Heating and cooling system design and specifications for industrial, governmental,<br>commercial, and institutional buildings for engineering and architectural firms. |