

CURRICULUM VITAE

Dr. COLIN JORDAN, Ph.D., P.E.

Project Manager/Mechanical Engineer



YEARS OF EXPERIENCE: 33

EDUCATION

Doctor of Philosophy in Mechanical Engineering, University of Windsor, 1987

Master of Science in Mechanical Engineering, Oakland University, 1982

Bachelor of Science in Mechanical Engineering, Oakland University, 1981

REGISTRATION AND CERTIFICATIONS

Professional Engineer, Florida #62847, Michigan #6201046219

Certified Vehicle Fire Investigator

Certified Fire and Explosion Investigator

Certified Continuing Education Instructor, Florida Department of Insurance

Florida DOT Maintenance of Traffic Certification

PROFESSIONAL EXPERIENCE

Mechanical Engineer/Project Manager, Kimley-Horn and Associates, Inc., West Palm Beach, FL, 2006 – present

Project Manager, Rimkus Consulting Group Inc., 2005 – 2006

Engineering Manager, Florida Power & Light Company, 1999 – 2005

Professor of Mechanical Engineering, Kettering University (formerly General Motors Institute), 1990 – 1999

Assistant Professor of Mechanical Engineering, Lawrence Technological University, 1987 – 1990

HVAC Engineer, Daimler Chrysler Corporation, 1982 – 1982

Engineering Consultant, Ford Motor Company, Arizona Proving Grounds, 1989 – 1999

Crashworthiness Engineer, Ford Motor Company, 1981 – 1981

PROFESSIONAL SUMMARY

Dr. Jordan completed his Ph.D. in mechanical engineering at the University of Windsor in 1987. While at Kettering University (formerly General Motors Institute [GMI]), he taught courses in vehicle design, engine design, transmission design, brake design, emission control, automotive fuel systems, combustion engineering, vehicle performance, heating ventilating and air conditioning, thermodynamics, heat transfer, and engineering cost analysis. Dr. Jordan has been an engineering consultant at Ford Motor Company's Arizona Proving Grounds testing and analyzing data, as well as attending depositions. At GMI, Dr. Jordan was a full professor and faculty advisor for all student race and research vehicles. He has HVAC experience at Chrysler and has worked at Ford Motor Company in the crash worthiness area. In addition, he is the author of numerous conference and journal papers. Dr. Jordan is a six sigma quality black belt and a specialist in determining root cause of equipment and human process failures, he has experience in fastener failure analysis and product failures. He has experience in pumps, motors, heat exchangers, piping, mechanical systems and valves, as well as all phases of power production. Dr. Jordan is a commercial trucking specialist. Dr. Jordan has investigated hundreds of industrial and vehicular accidents. He also has experience in heavy duty equipment failure, including tractors, boom lifts, forklifts, bulldozers, etc.

COURT QUALIFICATIONS

Dr. Jordan has testified in deposition and trial in state and federal court.

SPECIALTY EXPERTISE

Mechanical and Electrical component design and testing

Product defects

Commercial Trucking Specialist

Vehicle Accident Reconstruction

Equipment Failure Specialist

Doors, Seat Belts, Brakes

Fire and Explosion Cause and Origin

Burns and Scalding

Heavy Duty Equipment Specialist

Industrial Accident Reconstruction

Patent Expertise

Steering Suspension and Powertrain

PROFESSIONAL DEVELOPMENT

Tribology measurements

Basic/Advanced Diagramming and Animation

EPA Refrigerant Technician Training

Fire Suppression Training

Accident Reconstruction

Commercial Vehicle Accident

Investigation and Reconstruction

Vehicle Fire, Arson, and Explosion

Slips, trips and falls

Warnings

Scaffolding Use in Construction

Failure Analysis

Failure Modes and Effects Analysis

Human Error Training

Incident Commander

HAZMAT Responder

Six Sigma Green Belt

Risk Analysis

Negotiation Specialist, Harvard Business School

Dynamometer Testing

Flowbench Training

Florida DOT Maintenance of Traffic

Furniture Design, Manuf., Manuf. and Testing

Patents

AFFILIATIONS

Society of Automotive Engineers (SAE)

National Association of Fire Investigators (NAFI)