

EDUCATION:

B. Sc. Physics, Millersville University of Pennsylvania, Millersville, Pennsylvania, with minors in Mathematics and Industrial Technology Electronics.

EXPERIENCE:

Sr. Project Manager, Mechanical, Knott Laboratory, Centennial, CO; May 2026 to Present
Sr. System Safety Engineer, Range Safety, Lockheed, Littleton, CO; June 2022 to April 2026
Project Engineer, Mechanical, Knott Laboratory, Centennial, CO; October 2018 to June 2022
Service Engineer II, Structures/Systems, Air Methods, Centennial, CO; July 2012 to May 2018
Liaison Engineer, Mechanical, United Rotorcraft/Air Methods, Englewood, CO; October 2011 to July 2012
Sr. Quality Engineer, Sechan Electronics, Inc., Lititz, PA; February 2008 to May 2009
Laboratory Technician II, Mechanical, Fenner Precision, Manheim, PA; May 2004 to February 2008
Avionics Technician, Depot Avionics, Alamosa, CO; January 2003 to August 2003
Student Engineer, Electrical, NASA Academy, Dryden Flight Research Center, Edwards, CA; Summer 2000



FAILURE ANALYSIS:

Mr. Neidig has applied engineering principles to product and system failures in various industries. He has experience analyzing pulleys, belts, rollers, technical textiles, shafts, bolts, and aircraft structure with failure modes including fatigue, fracture, corrosion, and wear. Mr. Neidig has experience with destructive and non-destructive testing techniques, reviewing maintenance records, documenting findings, and utilizing various industry standards. During Mr. Neidig's prior work with Knott Laboratory, he performed hundreds of plumbing inspections, numerous fall investigations, vehicle assessments, fire origin and cause determinations, and he assisted with Vehicle Accident Reconstruction (VAR) reviews. With Lockheed Martin, Mr. Neidig was the program Safety Engineer for Failure Review Boards (FRBs) associated with Flight Termination Systems and Range Tracking Systems.

PRODUCT ENGINEERING AND DESIGN:

During his time at Fenner Precision, Mr. Neidig worked as a member of the New Product Development group which created and tested new and existing polyurethane formulations, reinforcement materials, engineering designs, and manufacturing processes. At Sechan Electronics, Mr. Neidig worked on various government contracts and was the mechanical engineer responsible for the environmental laboratory test fixtures. Upon returning to Colorado, Mr. Neidig contracted with United Rotorcraft, formerly Air Methods Product Division, as a Liaison Engineer specializing in mechanical systems. He dispositioned non-conforming product, drawings, and damage related to the manufacturing process as well as provided evaluation and repair design for failed products. Mr. Neidig then moved to Air Methods corporate headquarters as a Service Engineer for aircraft structures and systems focusing on regulatory compliance, repairs, alterations, and tooling design for fielded medical transport aircraft. In 2022, Mr. Neidig transitioned his failure analysis and forensic engineering skills to System Safety Engineering work with Lockheed Martin where he specialized in Range Safety activities to ensure range and public safety for various flight vehicle configurations and mission profiles. The System Safety work performed required detailed engineering analyses and discussions on product and system designs, as well as risk analysis and hazard mitigation(s) associated with those designs.

PROFESSIONAL DEVELOPMENT:

Mr. Neidig was a charter member of the Millersville University chapter of the Society of Manufacturing Engineers (SME) and participated in the human powered submarine team, electric motorcycle team, and physics club. Throughout his career, Mr. Neidig has engaged in multiple seminars and courses related to his professional work. At Air Methods, Mr. Neidig apprenticed with a Federal Aviation Administration (FAA) Designated Engineering Representative (DER) specializing in flammability compliance under Title 14 of the Code of Federal Regulations, and during Mr. Neidig's prior work with Knott Laboratory he was CXLT certified for slip resistance metering.