Tetra Corporation

Job Opening

Engineering Team Member

Location: Albuquerque NM

Job Level: Junior-level

Description

Tetra Corporation is seeking an engineer to be part of a research team. The position includes a range of roles and responsibilities ranging from paper studies, pulsed power system design support, experimental design and execution, data acquisition and reduction and presentations of data and findings. Being able to seamlessly transition from the desk to the lab is important as building proof-of-concepts systems, experimentally verifying designs, and executing tests are expected.

The job position does interface with 1-2 other electrical engineers, one mechanical engineer and a small staff of technicians.

Minimum Job Requirements:

- Undergraduate degree EE/ME/Aero Eng
- Knowledge of and experience in fundamentals of electrical engineering including circuit design, modelling and circuit simulation tools such as SPICE
- Knowledge of control systems and their implementations using PLCs, FPGAs, or GPPs
- Knowledge of and experience with engineering/scientific computational tools such as MATLAB or IDL
- Excellent interpersonal, verbal and written communication skills and demonstrated ability to interact with all levels of personnel and customers; strong teaming skills
- Demonstrated experience in effective decision-making and creative problem solving
- Demonstrated experience in diagnostics, data acquisition and analysis use of standard laboratory equipment: DMM, oscilloscopes, power supplies, current and voltage probes, LabVIEW, etc.

Qualifications desired:

- MS in engineering
- Knowledge of and experience in pulsed-power design, implementation, operation, troubleshooting and maintenance
- Experience teaming in technical projects or teams

- Demonstrated knowledge of safety issues or potential hazards relating to pulsed power systems and devices and the use of interlocks and design features to mitigate risks and hazards.
- Experience in an R&D environment

Essential Job Functions (can perform with or without reasonable accommodation)

Climbing stairs, walking, lifting 20-30 pounds, operation of motor vehicles, work near electrical power supplies, domestic/foreign travel, research related to pulsed power design and supporting systems, design/building of experimental systems, working in a team environment.