



August 2026

JOB DESCRIPTION

Engineer, Applications

LOCATION

Carlsbad, California

IMPACT

TAU Systems is growing and looking for an Applications Engineer to play a critical role in supporting customers using TAU's unique radiation effects testing capabilities. As an Applications Engineer, you will serve as a technical bridge between TAU's electron-based single event effects testing platform, eSEE, and the mission-driven needs of customers in the space, defense, semiconductor, nuclear, and advanced technology sectors.

This role will work closely with TAU's business development team to understand customer requirements, assess whether TAU's capabilities can meet those requirements, and translate customer needs into practical test plans in collaboration with the accelerator operations team. You will also help analyze customer test results and explain their implications for device performance, system reliability, and mission requirements.

You will be joining a fast-growing team in a dynamic startup environment, working closely with TAU's scientists, engineers, business development team, accelerator operations team, and company leadership to help customers use revolutionary laser-powered accelerator technology to solve real-world radiation effects testing challenges.

RESPONSIBILITIES

- Support TAU Systems' radiation effects testing customers before, during, and after test campaigns.
- Act as a technical interface between customers, the business development team, and the accelerator operations team.
- Work with the business development team to understand customer needs, test objectives, device requirements, mission requirements, and performance concerns.
- Help translate customer needs into clear, actionable test plans in collaboration with the accelerator operations team.



- Support the definition of test conditions, beam parameters, sample configurations, data collection needs, and success criteria.
- Participate in customer meetings to explain TAU's testing capabilities, technical approach, and expected outputs.
- Analyze customer test results and help explain their implications for device performance, system reliability, or mission readiness.
- Prepare technical summaries, customer-facing reports, briefing materials, and post-test analysis documents.
- Collaborate with TAU's technical teams to improve customer workflows, testing protocols, and application-specific documentation.
- Capture customer feedback and communicate technical requirements, recurring questions, and application needs to internal teams.
- Support the development of technical sales materials, application notes, white papers, and conference materials related to eSEE and radiation effects testing.
- Help ensure that customer projects are executed with clear communication, strong technical rigor, and high customer satisfaction.

REQUIRED QUALIFICATIONS

- Bachelor's degree, or equivalent experience, in electrical engineering, nuclear engineering, aerospace engineering, physics, materials science, or a related technical field.
- 2+ years of experience in an engineering, applications, test, customer support, product, or technical customer-facing role.
- Strong technical communication skills, including the ability to explain complex scientific or engineering concepts to both technical and non-technical audiences.
- Ability to work with customers to understand requirements, constraints, and project goals.
- Ability to analyze technical data and communicate results clearly in written reports and presentations.
- Strong problem-solving skills and comfort working across multidisciplinary teams.
- Ability to manage multiple customer projects, test campaigns, and deadlines in a fast-paced environment.
- Willingness to work on-site most of the time and support customer test activities at TAU's facility or other radiation testing facilities.
- Excellent interpersonal skills and comfort engaging with customers, engineers, scientists, and senior stakeholders.



DESIRED ADDITIONAL SKILLS

- Experience with radiation effects testing, single event effects, total ionizing dose, displacement damage, or related reliability testing.
- Familiarity with electronic components, semiconductor devices, photonics, detectors, sensors, or space/defense electronics.
- Experience working with particle accelerators, beamlines, radiation sources, or laboratory test systems.
- Background in data analysis using Python, MATLAB, LabVIEW, JMP, Excel, or similar tools.
- Familiarity with test planning, experimental design, uncertainty analysis, or technical reporting.
- Experience supporting customers in advanced technology sectors including the semiconductor, space, defense, nuclear, or aerospace industries.
- Knowledge of laser or accelerator science is a plus.
- Experience preparing customer-facing technical reports, application notes, or conference presentations.
- Comfort working in a startup environment where responsibilities may span technical support, customer communication, product development, and business development.

ADDITIONAL INFORMATION

- This is a full-time position.
- TAU Systems offers a comprehensive compensation and benefits package with stock options, holidays and paid time off, medical, dental, vision, life insurance, and 401(k) retirement plan with company matching.
- Base annual salary range: \$85,000 - \$145,000.
- TAU Systems is an Equal Opportunity Employer.
- Send resume and cover letter to careers@tausystems.com.