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SLAC National Accelerator Laboratory

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The Alignment Engineering Group of the Metrology Department at SLAC National Accelerator Laboratory (SLAC) invites applications for the position of

Survey Engineer

The successful candidate is expected to:

- support engineering field surveys
- implement survey applications into the next generation of a Graphic Information System covering on-going laboratory projects,
 - investigate the next generation of GIS packages while becoming familiar with the existing AEG-GIS,
 - complete a localized base map with related topology clean-up
- prepare for the migration of field survey and alignment data

Applicants should have a Bachelor's degree in Geomatics or related field with GIS specialization. Experience in geo-processing including map clean-up, topology analysis, database maintenance and spatial queries is desirable. Proficiency with CAD and at least one GIS software package, including MicroStation or ESRI, is required. They must also have familiarity with survey instrumentation e.g. total stations, laser trackers, digital levels, laser scanners and GPS/RTK technology. Excellent communication skills and proficiency in written and spoken English are essential.

Located in Menlo Park, California, SLAC National Accelerator Laboratory designs, constructs and operates accelerators and related experimental facilities for use in various areas of research. The Metrology Department and Alignment Engineering Group support physicists and engineers at SLAC by developing tools and methods for aligning components related to these physics experiments. The department web page is www.slac.stanford.edu/grp/met/.

The appointment is initially for 3 years. The salary is competitive and commensurate with the candidate's experience and qualifications. Please submit your resume through the "Jobs at SLAC" website: <http://www-public.slac.stanford.edu/hr/jobs/>

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