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## Electronics Design Engineer

Research Support Services - Pennsylvania-Pittsburgh - (20004371)

The University of Pittsburgh is seeking an Electronics Design Engineer for the Dietrich School Electronics Shop. This position is responsible for the conceptual design and development of complex analog and digital electronic circuits for use in the Dietrich School of Arts and Sciences projects with a focus on high-energy physics. Examples of past, current, and potential involvements include projects with (but are not limited to) the ATLAS Experiment at the Large Hadron Collider, neutrino experiments at CERN and Fermilab, and other experiments across the natural sciences. The incumbent will perform high-quality, detailed work utilizing minimal

cost and time. The incumbent will rely on a strong command of schematic capture and printed board design layout of multilayered circuit boards with a knowledge of IPC-610 and IPC-7351 standards. The incumbent will need at least three years of modern FPGA design and programming experience. Excellent communication, skills both written and verbal, are required to properly document the design, construction, and performance verification of electronic equipment. Strong interpersonal skills are required to facilitate close collaboration with shop and project personnel and students at the University, at other U.S. institutions, and/or at other international institutions. Occasional US and international travel are required.

Bachelor's degree in electrical engineering or related field. 3-5 years of experience with computer-based test, measurement, and data acquisition, preferably in laboratory instrumentation. 3 years of experience with schematic capture and printed circuit design, preferably in high speed signals, mixed-signal circuits, and/or digital signal processing. Strong experience with analog and digital circuit design, in particular proficient knowledge in modern FPGA design and experience with HDL-based design. A record of strong interpersonal skills and excellent written and verbal communication. N/A

The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer and values equality of opportunity, human dignity and diversity. EOE, including disability/vets

**Assignment Category** Full-time regular

**Job Classification** Staff.Electronics.IV

**Campus** Pittsburgh

**Minimum Education Level Required** Baccalaureate

**Minimum Experience Level Required** 3-5 years experience

**Work Schedule** Monday - Friday, 8:30 a.m. - 5:00 p.m

**Hiring Range** TBD

**Relocation Offered** No

**Visa Sponsorship Provided** Yes

**Background Check** For position finalists, employment with the University will require successful completion of a background check

**Child Protection Clearances** Not Applicable

**Required Documents** Resume, Cover Letter

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## Talent Center: Careers at Pitt

200 S. Craig Street  
100 Craig Hall  
Pittsburgh, PA 15260  
412-624-7000

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