Join the Radiological Instrumentation Laboratory working on the physics and engineering aspects of imaging in beautiful Santa Cruz, with exposure to many applications and opportunities in medical imaging, high energy physics, and security. We are hiring one postdoctoral fellow to work on NIH and DOE funded projects focused on PET and X-ray imaging instrumentation. We are looking for applicants with experience in radiation detectors, electronics hardware design, and data acquisition.

Preferred Qualifications:

• PhD in electrical engineering, physics, or related field
• Background in radiation detection and electronics hardware

Responsibilities

• Scale up hardware for PET instrumentation
• Perform phantom studies
• Provide quarterly reports and participate in manuscript writing

About the Radiological Instrumentation Laboratory and UC Santa Cruz:

The Radiological Instrumentation Laboratory (RIL) is run by Professor Shiva Abbaszadeh of the Electrical and Computer Engineering Department at UC Santa Cruz. RIL works on detector instrumentation from start to finish, beginning with materials exploration, detector fabrication and characterization, instrument design and construction, data acquisition, and signal processing. We collaborate with other groups at UCSC and other universities, National Labs, and industry partners, all working to advance technology in X-ray detection.

UCSC is situated in the Santa Cruz Mountains, overlooking Monterey Bay, and is just south of Silicon Valley. Santa Cruz is perfect for outdoor enthusiasts with access to beautiful beaches, hiking, and biking. For those more interested in city living, we are a short drive from San Francisco and have our own small city life, with breweries and many social events across the town.

If you are interested in applying, please send CVs and enquiries to Dr. Shiva Abbaszadeh (sabbasza@ucsc.edu) by April 15th 2022.