

# Research Opportunity

## Project:

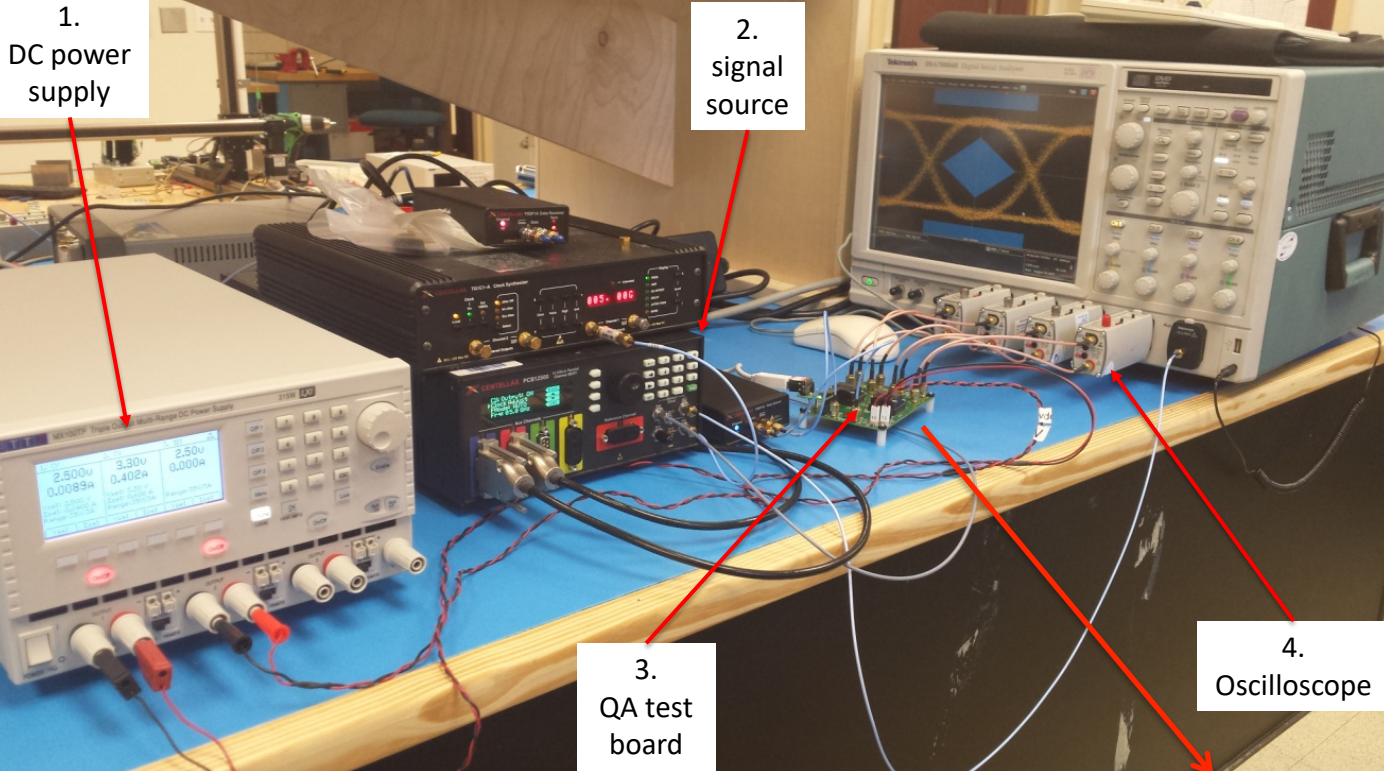
Join the group led by Prof. Liu and James Thomas in a campaign to measure two ASIC (application specific integrated circuit) chips that we have developed for the Liquid Argon Calorimeter System's trigger upgrade in ATLAS ([www.atlas.ch](http://www.atlas.ch)).

## Benefits:

- Hands-on experience in electronics and instrumentation; software like LabVIEW for instrument control and data acquisition, and root (root.cern.ch) for data analysis.
- Report in the ATLAS international meetings via vvideo. And get your name in a paper that will be submitted later this year.
- May apply for URA to get paid (undergraduate students only).

## How to join:

Contact James ([jamesthomas@smu.edu](mailto:jamesthomas@smu.edu)). Hours are flexible to fit to your busy schedule.



The test setup and the state-of-the-art equipment.

PCB with signals in GHz (Giga-Hz)

### Uniquely SMU: ASIC and optical transmitter

