

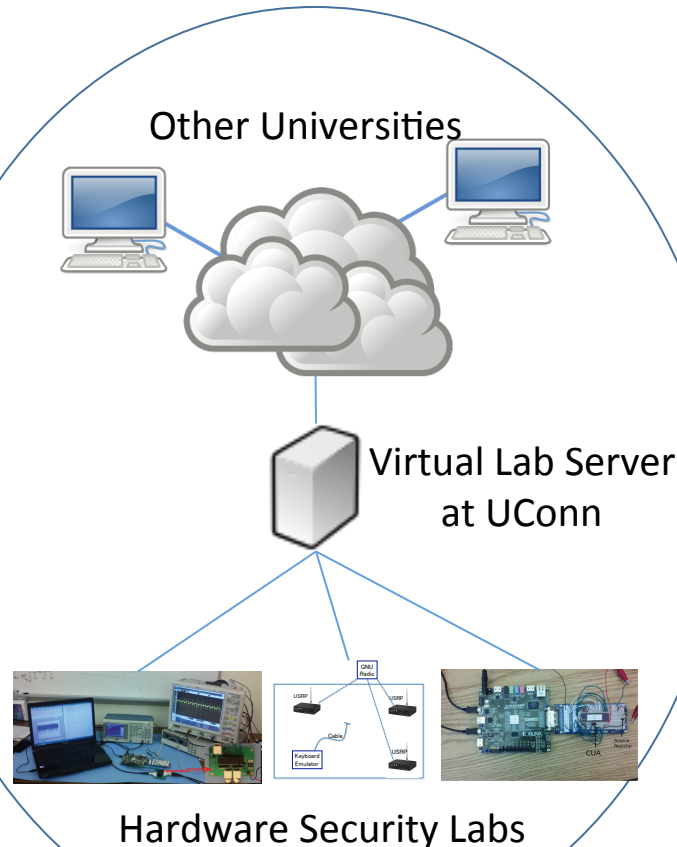
# EDU: A Virtual Lab for a Hardware Security Curriculum

## Challenge:

- Enable adoption of hardware security courseware through the development of a virtual laboratory infrastructure.

## Solution:

- Virtual Lab Server allows universities to access specialized hardware remotely
- Instructional assignments and research experiments can be scheduled for remote execution



## Scientific Impact:

- Development of virtual lab environment
- Development of instructional labs including studies in hardware Trojans, embedded systems security, and counterfeit detection

## Broader Impact:

- Enhance cybersecurity curricula to include hardware security topics
- Allow more universities to give students hands-on experiences with hardware security experiments
- Increase the number of graduates trained in hardware security