

## Participants

- Dr. Farag (PI)
- Dr. Wu
- Dr. Ezekiel
- Drew Rado
- Zach Keyser
- Emily Himes
- Zaryn Good

Meeting started at 11:10 AM

Unanimously approved minutes for meeting on Feb 8, 2023.

- Drew made progress with cleaning 305, continued working on his paper, and is researching updating OptiPlexes to more mainstream devices
  - Currently looking for related works to include in paper
- Sky and Drew created conn plots for benign and malicious data
- Maria sent results as Excel file to Teams
- Zaryn met with Maria to work on paper, and is running dataset through DCNNs
- Zach has continued working on sensor diagrams for the testbed and has helped Hector with his Excel sheet of journals
- Hector has been working on his Excel sheet and has helped Zach with his diagrams
- Dr. Wu discussed getting results into the paper with Maria
- Emily has continued with documentation and will continue to get results and graphics from other team members
  
- Drew and Sky will be investigating the sensors' code
  - Previously, the issue was that one sensor stopped after a few days, but it was discovered that eventually all sensors stop after a about a week of data collection
- Maria found that SVM results were hardly changing between different testing/training splits
  - Dr. Ezekiel suggests that if the results are not changing that something is wrong, and that they should be run at a 50/50 split to see if the pattern continues
- Zaryn would like to return to AlexNet and ResNet
  - ResNet is performing worse than expected at around 70% and AlexNet is running much better than expected at around 90%
  - VGG-16, VGG-19, and GoogLeNet are running as expected
  - MATLAB can allow multiple GPUs for better performance--this can be looked into
- Zach demonstrated his diagram for one of the sensors, Drew confirmed that it reflects what's in the \*

- Zach: continue work with diagrams, upload diagrams to OneDrive, help Hector with Excel
- Hector: continue work with Journal Excel workbook
- Zach and Emily: create diagram of 305 for documentation based on Drew's explanation

Adjournment at 12:00. Next meeting will be held on Thursday, Feb 22nd at 11:10 AM