

CAE Research Project Meeting Minutes

08-16-2023

- Participants
 - Dr. Waleed Farag (PI)
 - Dr. Soundararajan Ezekiel
 - Dr. Xinwen Wu
 - Jared Giesen (absent, excused)
 - Kurtis Johnson
 - Samuel Rocco
 - Nathan Metzger
- Meeting started at 1:00 pm
- Unanimously approved minutes for meeting on August 10th, 2023

Main Points:

- **Progress report**
 - All—
 - Met with Dr. Ezekiel to review work and plan final steps
 - Drew—
 - Met with Dr. Ezekiel to revise testbed paper
 - Met with team to catch up on summer work
 - Discussed how to better document work
 - Set up shared Kanban board for better organization going forward
 - Kurtis—
 - Tested wavelet scattering on MATLAB sample code
 - Working on overall IoT documentation with Sam
 - Sam—
 - Working on overall IoT project documentation
 - Completed dataset documentation draft
 - Jared—
 - No updates
 - Nathan—
 - Set up and configured second Lambda Vector machine in 306
 - Completed DCNN Fusion documentation
 - Completed DCNN Fusion on IoT23
 - Researching how to benchmark all machines
- **Discussion points**
 - Look into why IoT23 data set results are significantly worse
 - Include justification
 - Team needs to complete overall documentation with results and interpretation
- **Tasks:**
 - Everyone:
 - Keep 305 and 306 clean for visitors
 - Drew:
 - Finalize the IoT paper
 - Kurtis:
 - Document findings, algorithms, code
 - Review Maria's paper, specifically Section 8 results
 - Compare her results to new results and document

- Implement wavelet scattering for all datasets
- Sam:
 - Update overall IoT documentation file containing methods and tools
 - Document individual work to add to overall documentation
- Jared:
 - Document previous work to add to overall documentation
- Nathan:
 - Revise documentation of fusion methodology and results
 - Include references
 - Visualize IoT23 with K-means clustering

Adjournment at 1:45 pm

Next meeting will be held on Tuesday, August 22nd at 10:00 am