Weekly Progress Report

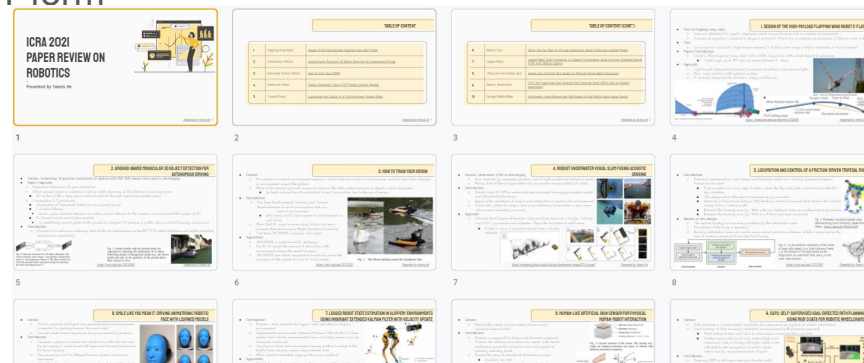## June 28 - July 2nd, 2021

Presented by Yannis (Yiming) He 84189287

Noah's Ark | Autonomous Driving Lab
LiDAR Domain Adaptation

Manager: Bingbing Liu 00435285
Supervisor: Eduardo Corral Soto 00407762

- June 28 (Monday)
    - ICRA - my paper analysis (cont')
    - Meeting with Eduardo for lcpss depth completion pipeline delivery
- June 29 (Tuesday)
    - Formatting paper analysis from others into PPT form
        - Eduardo, Aich, Ryan, planning team
- June 30 (Wed)
    - Meeting with Eduardo for next step
        - UMAP:
            - Read UMAP papers (in progress)
            - Learn how to install & use UMAP
        - TSIT
            - Look into its github
            - Get it to work with dataset they use (skyscapes)
    - Meeting with Eduardo for Depth completion integration
        - Ground truth completion need to be done too
        - Format from (64,2048) into (64, 2048, 5)
- July 1 (Thursday)
    - Holiday

- July 2 - 4 (Friday & Weekend)
    - Connect with Thomas (July 2nd 11 am)
        - Meeting agenda
            - We need the deterministic mechanism to work for
                - im_X, im_Y, im_Z, response/Remission, im_gt
            - Make the data from all of the filling match pixel-wise
                - im_X, im_Y, im_Z
                - response/remission
                - Label
                - Binary mask
                - normal_X, normal_Y, normal_Z
            - How to visualize 3D normalization vectors
    - Modify Thomas's pipeline's output based on our need
    - Depth completion on ground truth
    - Coffee Talk (Yang Wang): recent work on self-adaptive visual learning

End of July 2nd, Weekly Report