

Weekly report

1 My Accomplishments this week

1.1 Project 1: *Massive Uniform Control*

- Rolling motion works. A video is available to demonstrate. Sliding motion does not work very well, since particles so slow compared to rolling motion.
- Working on video processing with the microscope. Particles are smaller, and the view from a microscope is much darker than that of a camera.
- Went through specs of the MFG-100 system and rad related literature
- There are some problems on the communication between MATLAB and Basler USB3.0 camera. There's only one post/solution related on MATLAB File Exchange. I'm trying to edit its details to fit into our system.
- Time sheet: <https://drive.google.com/open?id=1LgOI4783jnWs3CjYf8lRabM0ixTHUJN9iCzz>