

## 16-848 Reference List for April 18, 2022

We looked at the following papers today:

Huang, Isabella, Yashraj Narang, Clemens Eppner, Balakumar Sundaralingam, Miles Macklin, Ruzena Bajcsy, Tucker Hermans, and Dieter Fox. "DefGraspSim: Physics-based simulation of grasp outcomes for 3D deformable objects." *IEEE Robotics and Automation Letters* (2022). <https://sites.google.com/nvidia.com/defgraspsim>

Kim, Chung Min, Michael Danielczuk, Isabella Huang, and Ken Goldberg. "IPC-GraspSim: Reducing the Sim2Real Gap for Parallel-Jaw Grasping with the Incremental Potential Contact Model." arXiv preprint arXiv:2111.01391 (2021). <https://sites.google.com/berkeley.edu/ipcgraspsim/home>

Han, Amy Kyungwon, Amar Hajj-Ahmad, and Mark Cutkosky. "Bimanual handling of deformable objects with hybrid adhesion." *IEEE Robotics and Automation Letters* (2022). <https://ieeexplore.ieee.org/document/9732638>  
<https://ieeexplore.ieee.org/ielx7/7083369/9647862/9732638/supp1-3158231.mp4?arnumber=9732638>

Liu, Yi, Ya-Yen Tsai, Bidan Huang, and Jing Guo. "Virtual Reality Based Tactile Sensing Enhancements for Bilateral Teleoperation System with In-Hand Manipulation." *IEEE Robotics and Automation Letters* (2022). <https://ieeexplore.ieee.org/abstract/document/9744489>

Luu, Diu Khue, Anh Tuan Nguyen, Ming Jiang, Markus W. Drealan, Jian Xu, Tong Wu, Wing-kin Tam et al. "Artificial Intelligence Enables Real-Time and Intuitive Control of Prostheses via Nerve Interface." *IEEE Transactions on Biomedical Engineering* (2022). <https://ieeexplore.ieee.org/abstract/document/9738457>  
<https://spectrum.ieee.org/mind-controlled-prosthetic-hands-reach-new-feats>