

## 16-848 Reference List for April 13, 2022

We focused on three recent learning papers today:

Huang, Wenlong, Igor Mordatch, Pieter Abbeel, and Deepak Pathak. "Generalization in Dexterous Manipulation via Geometry-Aware Multi-Task Learning." *arXiv preprint arXiv:2111.03062* (2021).

<https://wenlong.page/geometry-dex/>

Arunachalam, Sridhar Pandian, Sneha Silwal, Ben Evans, and Lerrel Pinto. "Dexterous Imitation Made Easy: A Learning-Based Framework for Efficient Dexterous Manipulation." *arXiv preprint arXiv:2203.13251* (2022).

<https://nyu-robot-learning.github.io/dime/>

Taheri, Omid, Vasileios Choutas, Michael J. Black, and Dimitrios Tzionas. "GOAL: Generating 4D Whole-Body Motion for Hand-Object Grasping." *arXiv preprint arXiv:2112.11454* (2021).

<https://goal.is.tue.mpg.de/>

We also mentioned the DexPilot system, which you can find here:

Handa, Ankur, Karl Van Wyk, Wei Yang, Jacky Liang, Yu-Wei Chao, Qian Wan, Stan Birchfield, Nathan Ratliff, and Dieter Fox. "Dexpilot: Vision-based teleoperation of dexterous robotic hand-arm system." In *2020 IEEE International Conference on Robotics and Automation (ICRA)*, pp. 9164-9170. IEEE, 2020.

<https://arxiv.org/abs/1910.03135>

<https://www.youtube.com/watch?v=qGE-deYfb8I>