16-899: Reference list for Wednesday, Feb 24th

Rosario spoke about this paper:

Leidner D, Borst C, Dietrich A, Beetz M, Albu-Schaffer A. Classifying compliant manipulation tasks for automated planning in robotics. InIntelligent Robots and Systems (IROS), 2015 IEEE/RSJ International Conference on 2015 Sep 28 (pp. 1769-1776). IEEE.
http://elib.dlr.de/98307/1/leidner2015classifying.pdf

You might be interested to chase down some of the additional taxonomy references cited in the Leidner et al. paper that we did not really cover in class:

Morrow JD, Khosla PK. Manipulation task primitives for composing robot skills. InRobotics and Automation, 1997. Proceedings., 1997 IEEE International Conference on 1997 Apr 20 (Vol. 4, pp. 3354-3359). IEEE.
http://home.elka.pw.edu.pl/~mmajchro/omni_pdf/morrow_james_1997_1.pdf

Bloomfield A, Deng Y, Wampler J, Rondot P, Harth D, McManus M, Badler N. A taxonomy and comparison of haptic actions for disassembly tasks. InVirtual Reality, 2003. Proceedings. IEEE 2003 Mar 22 (pp. 225-231). IEEE.
http://www.dtic.mil/dtic/tr/fulltext/u2/a480520.pdf

Worgotter F, Aksoy EE, Kruger N, Piater J, Ude A, Tamosiunaite M. A simple ontology of manipulation actions based on hand-object relations. Autonomous Mental Development, IEEE Transactions on. 2013 Jun;5(2):117-34.
https://iis.uibk.ac.at/public/papers/Worgotter-2013-TAMD.pdf

Vukobratović MK, Potkonjak V. Dynamics of contact tasks in robotics. Part I: general model of robot interacting with environment. Mechanism and machine theory. 1999 Aug 31;34(6):923-42.
http://www.sciencedirect.com/science/article/pii/S0094114X97000918

This last one was not included in their citation list, but I'm going to add it now, in a short and a long version:

L. Y. Chang and N. S. Pollard, 2009. Video survey of pre-grasp interactions in natural hand activities, *Robotics: Science and Systems (RSS) 2009 Workshop on Understanding the Human Hand for Advancing Robotic Manipulation,* June 2009.
http://graphics.cs.cmu.edu/nsp/papers/RSSFinalAbstract.pdf
http://graphics.cs.cmu.edu/nsp/papers/RSS09_poster.pdf

L. Y. Chang and N. S. Pollard, 2014. Pre-grasp interaction for object acquisition in difficult tasks, In Ravi Balasubramanian and Veronica J. Santos (eds.) The Human Hand: A Source of Inspiration for Robotic Hand Development (Springer Tracts in Advanced Robotics), Springer International Publishing, Volume 95, pp 501-530, 2014.
http://graphics.cs.cmu.edu/nsp/papers/ChangBookChapter2014.pdf