

**CMPE58Y Robot Learning**  
**Spring 2016**  
**Assignment 3 - Due: 09.03.2016 14:00**

Read [Konidaris et al., 2011] and [Mnih et al., 2015] and submit an outline for each paper, following the structure below:

- The addressed problem and main contributions.
- Brief technical details.
- The most important experimental results.
- Do conclusions follow the experimental results?
- What is missing, how would you improve?

I expect the outlines to be minimum 500 words. Please submit the outlines in pdf format, attached to a single email with “[CMPE58Y Assignment03]” in the subject line.

## References

- [Konidaris et al., 2011] Konidaris, G., Kuindersma, S., Grupen, R. A., and Barto, A. G. (2011). Autonomous skill acquisition on a mobile manipulator. In *AAAI*.
- [Mnih et al., 2015] Mnih, V., Kavukcuoglu, K., Silver, D., Rusu, A. A., Veness, J., Bellemare, M. G., Graves, A., Riedmiller, M., Fidjeland, A. K., Ostrovski, G., et al. (2015). Human-level control through deep reinforcement learning. *Nature*, 518(7540):529–533.