

## Kinarm Camp Reading List

If you've never used MATLAB before or if you're new to Simulink, we strongly recommend you complete MathWorks' on-line tutorials:

- [Simulink](http://www.mathworks.com/help/releases/R2015a/simulink/getting-started-with-simulink.html): <http://www.mathworks.com/help/releases/R2015a/simulink/getting-started-with-simulink.html>
- [Stateflow](http://www.mathworks.com/help/releases/R2015a/stateflow/getting-started.html): <http://www.mathworks.com/help/releases/R2015a/stateflow/getting-started.html>

To give the workshops and exercises context, the agenda has been drafted around tasks previously published in LIMB Lab papers. You may wish to familiarize yourself with the methods section of each in advance of the camp. All of the papers below are available in this Google Drive:

<https://drive.google.com/drive/folders/0B4la-shSi9aeDNOLUJwT3RodFU?usp=sharing>

### Basic Posture and Reaching Task

1. Graham, K.M., Moore, K.D., Cabel, D.W., Gribble, P.L., Cisek, P. and Scott, S.H. (2003) Kinematics and kinetics of multi-joint reaching in non-human primates. **Journal of Neurophysiology** 89:2667-2677.

### Posture Perturbation Task

2. Kurtzer, I., Pruszynski, J.A. and Scott, S.H. (2008) Long-latency reflexes of the human arm reflect an internal model of limb dynamics. **Current Biology** 18:449-53.

### Reaching with Perturbations, Obstacles and Target Shapes

3. Nashed, J.Y., Crevecoeur, F. and Scott, S.H. (2014) Rapid online selection between multiple motor plans. **Journal of Neuroscience** 34:1769-1780.

### Motor Learning Task

4. Cluff T, Scott SH (2013) Rapid feedback responses correlate with reach adaptation and properties of novel upper limb loads. **Journal of Neuroscience** 33(40):15903-15914.

### Bimanual Task

5. Omrani, M., Diedrichsen, J., and Scott, S.H. (2013) Rapid feedback corrections during a bimanual postural task. **Journal of Neurophysiology** 109:147-161.

### Perturbation to Elicit Task Selection

6. Pruszynski, J. A., Kurtzer, I. and Scott, S.H. (2008) Rapid Motor Responses Are Appropriately Tuned to the Metrics of a Visuospatial Task. **Journal of Neurophysiology** 100:224-38.

*And for the real keepers, advanced topic citation included in the drive folder:*

### Servo-Control of Limb

7. Dukelow, S.P., Herter, T.M., Moore, K.D., Demers, M.J., Glasgow, J.I., Bagg, S.D., Norman, K.E. and Scott, S.H. (2010) Quantitative assessment of limb position sense following stroke. **Journal of Neurorehabilitation and Neural Repair** 24:178-187.