

## List of Publications

Youngmin Park

- **Park, Y.**, Ermentrout, G.B. “A multiple timescales approach to bridging spiking- and population-level dynamics.” *Chaos* 2018 (In Press).
- **Park, Y.**, Ermentrout, G.B. “Scalar Reduction of a Neural Field Model with Spike Frequency Adaptation.” *SIAM Journal on Applied Dynamical Systems* 17.1 (2018): 931–981. <https://arxiv.org/abs/1801.06168>
- **Park, Y.**, Shaw, K.M. Chiel, H.J. Thomas, P.J. “The Infinitesimal Phase Response Curve of Oscillators in Piecewise Smooth Dynamical Systems.” *European Journal of Applied Mathematics* (2018):1–36 (Submitted). <https://arxiv.org/abs/1603.03503>
- **Park, Y.**, Heitmann, S., Ermentrout, G.B. “The Utility of Phase Models in Studying Neural Synchronization.” *Computational Models of Brain and Behavior*. Wiley-Blackwell (2018): 493–505. <https://arxiv.org/abs/1707.05713>
- **Park, Y.**, Ermentrout, G.B. “Weakly Coupled Oscillators in a Slowly Varying World.” *Springer Journal of Computational Neuroscience* 40.3 (2016): 269–281. <https://arxiv.org/abs/1603.02406>
- Shaw, K.M., **Park, Y-M.**, Chiel, H.J., Thomas, P.J. “Phase Resetting in an Asymptotically Phaseless System: On the Phase Response of Limit Cycles Verging on a Heteroclinic Orbit.” *SIAM Journal on Applied Dynamical Systems* 11.1 (2012): 350–91. <https://arxiv.org/abs/1103.5647>