# Smoothing Estimates of Diffusion Processes PICE Smoother Method

#### H.C. Ruiz and H.J. Kappen

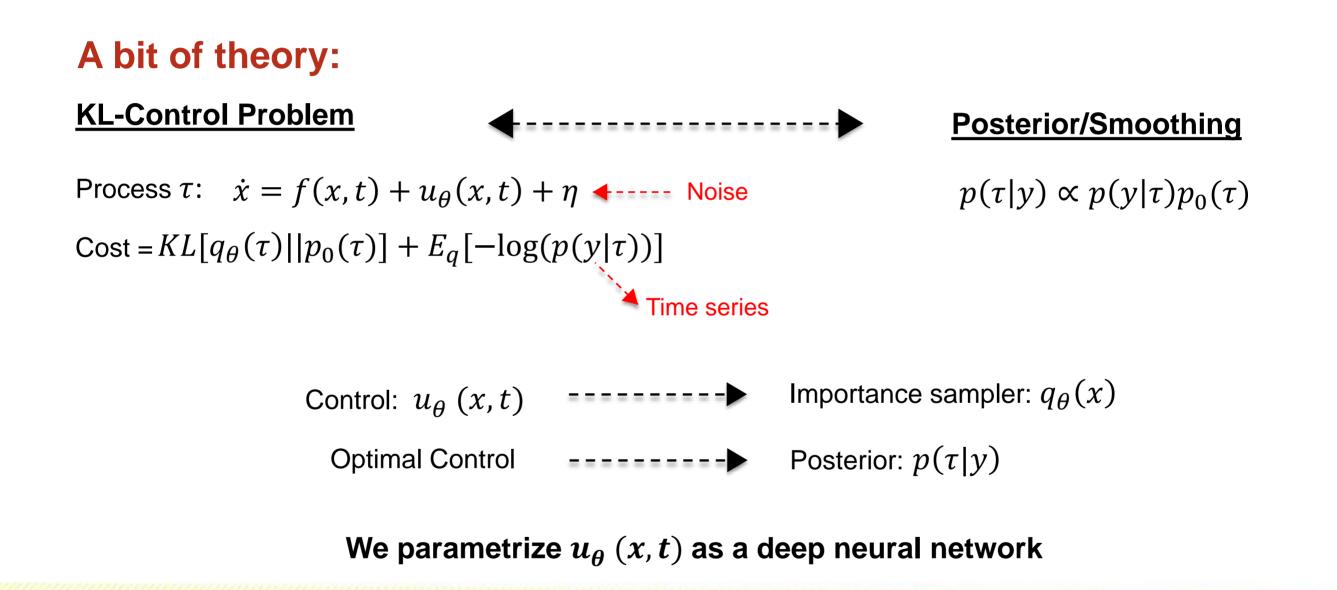
**Donders Institute, SNN** 



Poster #15

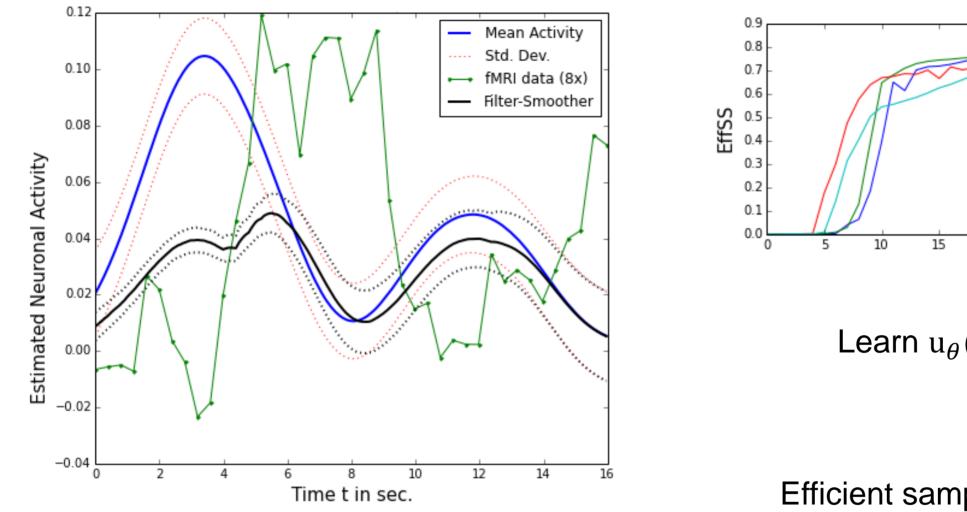
## **Smoothing Estimates of Diffusion Processes**

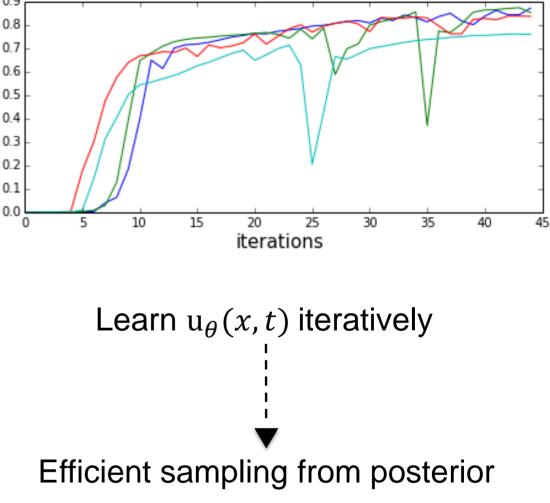
**PICE Smoother** is a novel adaptive importance sampling method to sample efficiently from the posterior distribution in continuous-time, continuous-space hidden processes. In general, this is a very hard problem due to weight degeneracy.





## **Application: Neuronal Activity Estimation from fMRI Data**





Comparison with Bootstrap Filter-Smoother



### Thank you See you in poster #15

hruiz@science.ru.nl



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