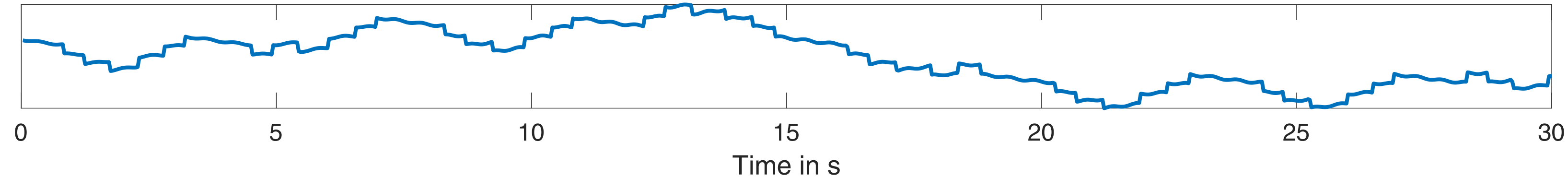
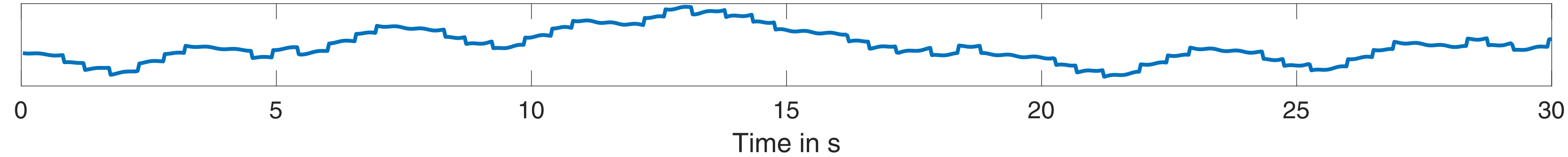


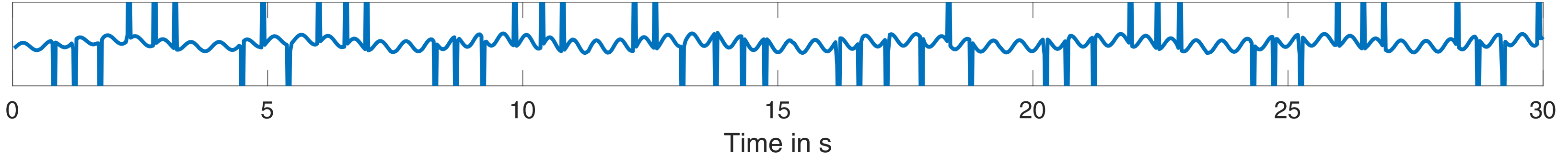
$\phi(t)$



Detrended $\phi(t)$



Detrended and Differentiated $\phi(t)$



Detrended, Differentiated and Outlier Corrected $\phi(t)$

