# Estimation of Grasping Force from features of intramuscular EMG Signals with Mirrored Bilateral Training

*File name = kamavuako2011.pdf*

Extracts features from EMG to estimate grasping force

Features :

* Root mean square
* Global discharge rate
* Standart sample entropy
* Constraint sample entropy

Application for unilateral amputees

* Callibrate the estimator by doing a gesture with the able arm and imagining doing the same gesture with the missing arm while using EMG sensors on the remaining muscles of the missing arm.
* not as accurate as it would be with all the muscle remaining but still allows to finf enough information for grasping force estimation
* The article does not speak about reinnervation

Show that the used EMG are sufficient to predict grasp force

Intramuscular EMG