Biorobotics EEEE-536

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**Project Proposal Task 1**

**Summary:**

Using non-invasive EMG’s placed on the upper end of the forearm closest to ones elbow, the user would then be able to control a robotic arm whose fingers can be opened and closed. The entire purpose is feature extraction and classification of elbow flexing, specific finger movements, and wrist turn.

**Preprocessing Techniques:**

1. IDM
2. FFT

**Decision Making Techniques:**

1. SVM
2. CNN