**Weekly Report #9**

**Date:** November 6, 2011

**Project Name:** Exoflex: Exoskeleton for Restored Hand Function

**Group Number:** 1

**Group Members:** Mark Wronkiewicz, Edward Poyo, Chavelle Patterson

**Current status of project:**

* Analysis of chosen design underway
* Specifics of chosen design being finalized

**Work completed in the last week:**

* Finalized method to secure the finger exoskeletons to exoskeletal hub
* Modified link design to achieve extension and flexion with wires running only above the finger.
* Areas of focus split up for final paper.
* Method to calculate power needed to supply linear actuators determined

**Work planned for next week:**

* Continue CAD work
* Testing of new link design using rapid prototype printer
* Decide where to place power supply
* Finalize component integration:
	+ Finger clamp- Exoskeleton
	+ Hub - Wrist support
	+ Linear actuators – hub
* Gather measurements and data to determine:
	+ Required for the power supply for the linear actuators,
	+ Weight of each component and total,

**Anything needed from mentor/client or TA or instructor to continue work:**

No additional resources or information are needed from our mentors, TA, or instructor at this time.