

Week 4 Report

Group Members: David Jones, Brennan Kandalaft, Luis Ruiz

Client: Dr. Keith Hengen

Project Status: We decided to work with Dr. Hengen on finishing an electrode design that was constructed and started by a team last year. Last year's group was able to design a compact microchip that can hold 64 wires, however they were unable to efficiently include carbon nanotubes into the design. Our focus this year will be to design a system that will permit the rapid construction of carbon nanotubes into the microchip while maintaining a compact and stackable design.

Next Steps: Our next steps are meeting with Dr. Hengen to plan out possible steps and detail what requirements he needs met. Further, we will observe the current construction process for low-efficiency spots. This will allow us to design multiple solutions that address the issues.