EE 491 Weekly Report |Dec15-02| Week 4 2/16/2015

Project Title: Human Dielectric Equivalent Model

Advisor: Jiming Song   **Client:**
Honeywell

Members (roles): Jacob Schoneman (Team Leader), Cory Snooks (Communications Leader), Andrew Connelly (Webmaster), Stephen Nelson (Concept Holder).

Weekly Summary:

We met with our advisor and a post-doctoral student and discussed software simulation options. The team is working on a solution to incorporate CSV files into Matlab, and displaying the output as a cubic mesh. An outline was made for the project plan and the workload was distributed evenly.

Meeting Notes:

1)   Find what kind of data the UT Austin group uses? Tetrahedral, sphere, square?
2)   Model can be used with SemCad, 0.5 mm resolution, volumetric. 2.5 – 3kHz does not work in the model (not accurate)
3)   Find Matlab or internet script to view model.

Pending Issues:

Software cost. Finding the right software to use. Building a human model. Displaying the model and getting the code to transfer to different formats.

Plans for Next Week:

Work on displaying the model in Matlab. Meet with Advisor on Monday. Meet with Group on Thursday.

Individual Contributions (This Week):

Jacob Schoneman: 5.5 hours
Cory Snooks: 6 hours
Andrew Connelly: 1.5 hours
Stephen Nelson: 5.5 hours

Total Contributions for the Project:

Jacob Schoneman: 11 hours
Cory Snooks: 12.5 hours
Andrew Connelly: 11.25 hours
Stephen Nelson: 14 hours