

Low-cost and modular gradient control system for MRI studies (MRI Probe)

Client: Orhan Unal

Dept. of Medical Physics
School of Medicine and Public Health
Phone: 265-9689
email: unal@wisc.edu

Team: Neal Haas (BSAC)

Peter Kleinschmidt (Leader)
Annie Loevinger (Communicator)
Luisa Meyer (BWIG)

Progress Report for Week 13: November 29 – December 6

Problem Statement:

This project is part of a larger goal to build a low-cost and modular MRI system for testing of novel multi-mode intravascular MRI probes with tracking, imaging and RF ablation capabilities. This component of the project will involve the designing, simulating, building, and testing of gradient coils to function with the system. The system will form an essential part of a low-cost MRI system.

Last Week's Goals:

- Prepare Poster to present data
- Rehearse final presentation
- Complete final design report

Summary of Accomplishments

- We have completed our work for the semester and gave our presentation at the BME design symposium on Friday.

This Week's Goals

- Complete final design report

Project Difficulties:

None to Report this week.

Team Activities

Members	Activity	Time Spent	Total
Team	Though several times were spent as an entire team on the project, significant more work was done in smaller groups at separate times. Therefore, team hours are distributed individually for this week.		29.00 hr.
Peter	Project Construction, Data Acquisition, Poster Work, Progress Report, Presentation	14.15 hr.	53.15 hr.

