

Senior Design 492 Biweekly Report 7

Date : 04/19/2018

Project title : Patch-clamp microchip testing circuit interface

Client & advisor : Que Long

Team member & Roles :

---- Chenhang Xu - team communication leader

---- Daiyuan Ding - team webmaster

---- Li Qian - team leader & time keeper

---- Ningyuan Zhang - team programmer

---- Yigao Li - team test leader

Weekly summary :

Had group meeting, client meeting and advisor meeting. Discussed the final results and conclusion with the graduates. Summarized the raw data table from empty model and resistance replacement methods. Did several tests with voltage source and with cells, and get datas for the results. Made conclusion of the results we got. Finished up with the Poster and still working on the Final Report.

Past Week Accomplishments

Member name	Accomplishments
Chenhang Xu	Collect all testing data and input them into excel to analysis. Finish the poster.
Daiyuan Ding	Collect the data and do the calculations for the final results. Work on the poster and final report.
Li Qian	Finished all the tests and got groups of datas. Summarized the results form the data, and made conclusions.
Ningyuan Zhang	Calculated the final tests results and collected the data. Drafted the Poster and Final Report. Concluded the work we have done so far.
Yigao Li	Complete the test and collect data to analysis by excel. Finishing the poster.

Pending issues

Member name	Issues
Chenhang Xu	Output the final plot and compare it with out standard. Finish the final report and presentation.
Daiyuan Ding	Final report need to be done. All the tests and measurements are finished.
Li Qian	Finished the conclusion of the results. Working on the Final report and presentation.
Ningyuan Zhang	All tests for the project were closed and need to be organized and put them into the Final Report and Poster.
Yigao Li	Conclude and organize all material. Prepare the final report and presentation.

Individual contribute

Name	Individual Contributions	Hours these 2 weeks	Hours Cumulative
Chenhang Xu	Regular group meeting with our team member. Finish the test and collect the data. Output the current based on the data and the formula we need to use. Compare the result with the standard. Work on our final presentation.	8	54
Daiyuan Ding	Concluded all the data and discussed what we have done so far. Do the calculations and analysis of the final data. Edit the poster and prepare all the materials we need for	11	57

	the poster and final presentation.		
Li Qian	Had group meeting with graduate. Finished all the tests and got groups of datas. Summarized the results form the data, and made conclusions. Finished and submitted the poster. And working on the final reports and presentation.	10	56
Ningyuan Zhang	Drafted the Poster and drafted the Final Report. Prepared for the Final Presentation. Collected and calculated the Raw data and organized the result into chart. Redesigned the block diagram and microchip model design diagram with comments and process indicator.	12	58
Yigao Li	Meet with graduate student. Finishing all tests and collect datas. Drafted and worked on the poster. Preparing the final report and presentation.	8	46

Comments and Extended Discussion

Need to summarized the results with the datas.

Plan for Coming Week

For the next week, we need to finish the final report and prepare for the final presentation.

Summary of Weekly Advisor Meeting

Discussed the data and results that all we have got. Discussed the details about the final report and presentation.