

## **Senior Design Biweekly: Status Report 4**

**Title:** Development of a strain visualization microsensor based on Moiré fringes

**Week 4:** Report March 1 - March 15

**Team Members:** Christian Tanberg, Matthew Thies, Ki Jun Shin and Parvaraj Bhatt

**Client & Advisor:** Dr. Long Que

**Summary of the Progress:** Over the last two weeks our group has spent time over a variety of tasks. The first task we worked on was meeting with our advisor Dr. Long Que to discuss our project plan and possible sensor ideas. The next task we worked on was making the lightning talk over our project plan for the semester. The final thing our group worked on was delegating tasks and preparing to meet online, due to the university switching to online classes.

### **Pending Issues:**

Christian Tanberg: Are there any changes to our senior design project with online classes.

Kijun Shin: N/A

Matthew Thies: N/A

Parvaraj Bhatt: N/A

## Individual Contributions:(Individual)

<b>Name</b>	<b>Contribution</b>	<b>Working hours</b>	<b>Total Hours</b>
<b>Project Manager:</b> Christian Tanberg	Spent time creating and recording the lightning talk. Worked with Parvaraj on making the project plan for the semester. Worked with the group to plan online meetings through spring break and possibly through the rest of the year.	7	19
<b>Research Lead:</b> Ki Jun Shin	Spent extra hours on reading more articles for various applications of building Microsensor. Took hours on looking at other examples of transmission and pattern designs, as our Supervisor told us to.	7	20
<b>Test Engineer:</b> Matthew Thies	I have worked both on the design document and worked on ways to use the microsensor to measure tension and strain of Moire Fringes.	7	18
<b>Design Engineer:</b> Parvaraj Bhatt	Worked with Christian on making the project plan for the rest of semester. Worked on the lightning talk.	6	17

## Future Plans:

1. Work on lightning talk
2. Setting up online meeting with our advisor
3. Come up with a symbol or number system for our moire fringe filter
4. Continue research on our topic