
Latent Damage and Reliability in Semiconductor Devices

Advisor: Dr. Randall Geiger**Client:** Dr. Randall Geiger, EcpE**Members (roles):**

Sean Santella (Leader)

Jaehyuk Han (Webmaster)

Hayle Olson (Communication Leader)

David Ackerman (Key Concept Holder)

Weekly Summary:

This week we had our fifth meeting with our Advisor and our second team meeting. We are starting to wrap up our research and starting to develop our own experiment/research. We completed the first version of our project plan this week.

Meeting Notes:Advisor/Client Meeting (Sept. 30th at 9AM)*Duration:* 1 Hour*Members Present:* Dr. Geiger, Sean Santella, Jaehyuk Han, Hayle Olson, David Ackerman*Notes:* This meeting was held with Dr. Geiger to discuss in detail the research that we found from the EOS/ESD Symposium papers. We also briefly mentioned how our first version of our project plan will be completed this week.Team Meeting (Sept. 30th at 5PM)*Duration:* 1 Hour*Members Present:* Sean Santella, Jaehyuk Han, Hayle Olson, David Ackerman*Notes:* This team meeting was held in the TLA in Coover to discuss our next steps as a team and to discuss our goals for completing the project plan. We assigned specific sections of the project plan to each team member.**Weekly Accomplishments:**

We read the articles and papers specifically from the EOS/ESD Symposium (as Dr. Geiger had suggested) and looked into corresponding articles that had cited these papers. We also completed the first version of our project plan.

Plans for Next Week:

- Continue developing a more in-depth experiment to perform
 - Look over schematics and details of the burn-in boards that are being provided
- Continue research
 - Latent damage within CMOS devices
 - Testing for latent damage
- Continue to develop our website

Pending Issues:

The oven we will need to use for burn-ins for our research is currently not hooked up. Dr. Geiger is looking into this.

Individual Contributions:

Sean Santella: Attended weekly advisor/client meeting and weekly team meeting, researched related articles and papers, also worked on the project plan.

Jaehyuk Han: Attended weekly advisor/client meeting and weekly team meeting, researched related articles and papers, also worked on the project plan.

Hayle Olson: Attended weekly advisor/client meeting and weekly team meeting, wrote weekly report, also worked on the project plan.

David Ackerman: Attended weekly advisor/client meeting and weekly team meeting, researched related articles and papers, also worked on the project plan.

Hourly Contributions:

<u>Member:</u>	<u>Weekly Hours:</u>	<u>Total Hours:</u>
Sean Santella	6.5	17.5
Jaehyuk Han	4.0	14.0
Hayle Olson	4.0	15.5
David Ackerman	4.5	15.0