

## Weekly Report

May15-27

S2 Week 8 (3/2/15 – 3/8/15)

Advisors: Dr. Jones, Dr. Elia

Team Members:

Alberto Di Martino \* Team Co-Web \*  
Dylan Gransee \* Webmaster \*  
Robert Larsen \* Team Leader \*  
Ian McInerney \* Team Key Concept Holder \*  
Aaron Pederson \* Team Communications \*  
Rohit Zambre \* Team Secretary \*  
Fengxing Zhu \* Team Comm. Co-leader \*

## Weekly Summary

Eris can now control the pendulum in two dimensions. There is a brief video showcasing one of the first tests of this. Robert will be giving videos taken at various times of the year to Ian so they can be uploaded onto the new YouTube channel.

## Pending Issues:

### Individual Contributions:

Aaron:

- Worked on CAD models for Eris
- Reviewed old passive joint model for changes

Alberto:

- Began learning how to use SolidWorks

Dylan:

- Working on writing a development environment setup guide for Eris

Fengxing:

- Working on fixing some issues on the 2-D model.

Ian:

- Started examining code base for the I/O board
  - It appears there is no built-in support for SPI/I2C on the I/O board
- Made power switch for the power cables

Robert:

- Added second axis control to Eris
  - Briefly tested system, needs a bit of tuning, but functions.

Rohit:

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### Next week goals:

Aaron:

- Continue design of Eris base
- Work on integration of Eris and Pendulum

Alberto:

- Begin design of Eris base
- Work on integration of Eris and Pendulum with Aaron

Dylan:

- Finish the Eris development environment setup guide
- Reorganize and document new Eris code

Fengxing:

- Try to finish and complete 2-D model.

Ian:

- Continue examining I/O board

Robert:

- Assist with I/O board

Rohit

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### Work Hour Totals:

Team Member	Weekly Hours	Running Total
Aaron	1.00	165.80
Alberto	1.00	154.00
Dylan	5.00	191.50
Fengxing	4.00	142.00
Ian	7.00	170.00
Robert	4.00	160.50
Rohit	1.00	144.50