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EagleSat
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March Status Report

Activities of Team Members

March saw the team progress through payload design and testing. Structures for both *EagleSat* and the *Nest* integration module have been submitted for fabrication, and should be delivered back to the ERAU team before the end of April. Currently, all systems are on schedule for meeting on-campus integration and testing at the start of May.

Issues Encountered in Payload Design

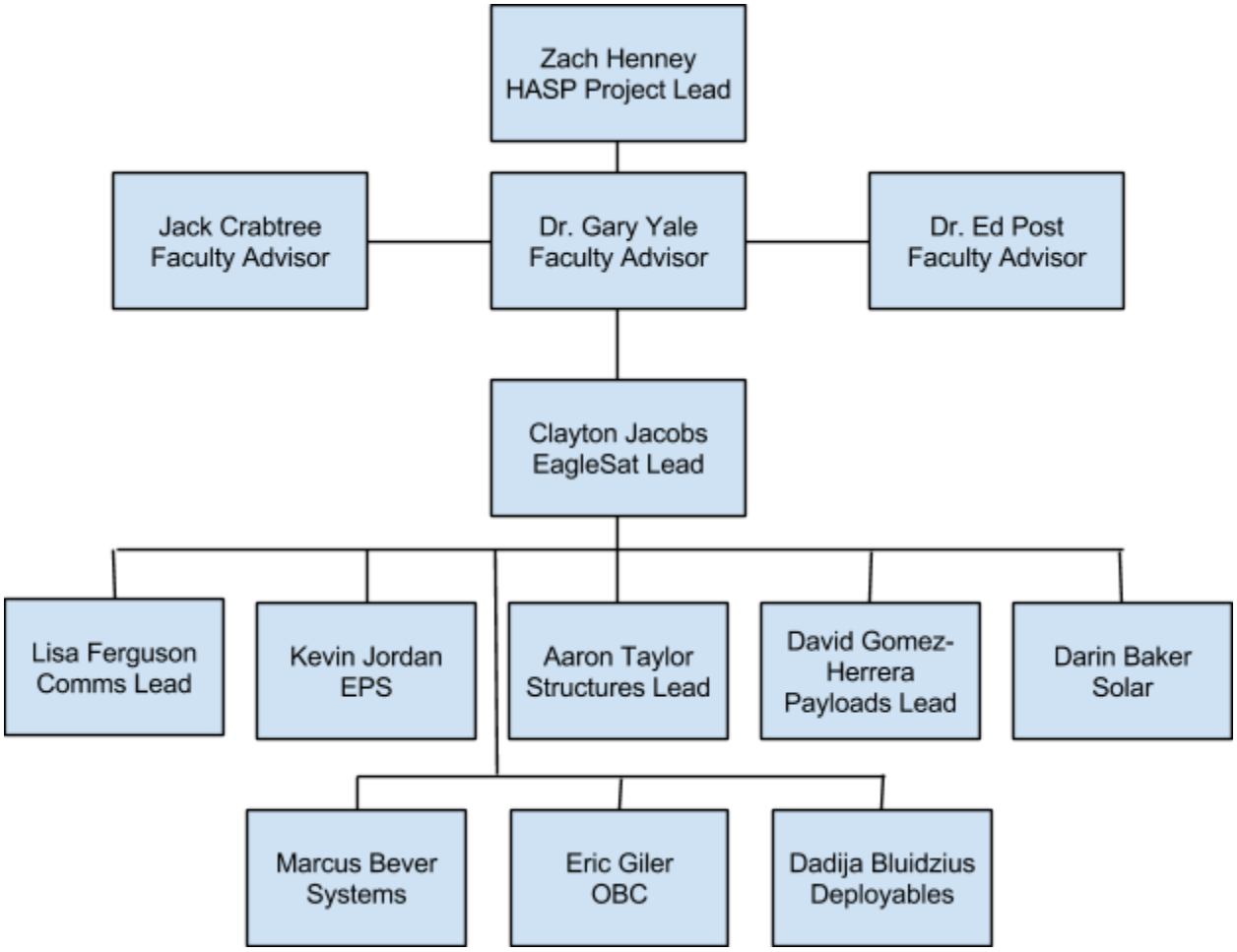
An issue was discovered with the revised antenna board design: the impedance in the board was at a level that was too high to allow for strong transmissions. However, the issue is being addressed and a new board is being redesigned and will be ordered soon.

Milestones Achieved

The supercapacitor energy storage array has been in constant testing since the start of February: despite being in a constant charge/discharge cycle for nearly two months, there have been no adverse effects, leading the team to the preliminary conclusion that the array will be more than capable of sustained operations for both HASP and orbital activities. A new power delivery system is being designed to better carry power between HASP and the supercapacitors, and will be undergoing testing in a few weeks. Solar panel fabrication is proceeding at a strong pace, and all five panels needed for the HASP flight should be completed soon as well.

Current Team Members

Below is an organization chart of the current team.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