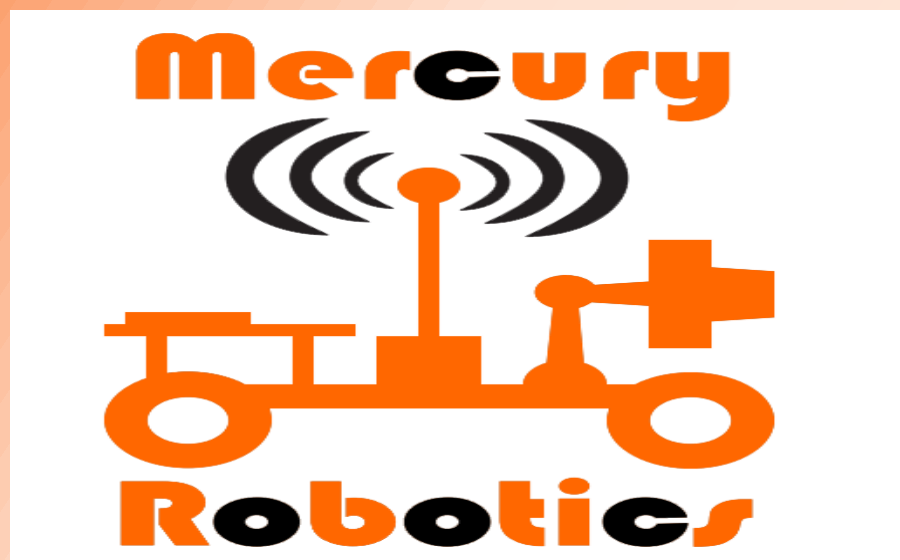


Mercury Robot: Bender the Robot



Mohamed Zendah – Team Manager

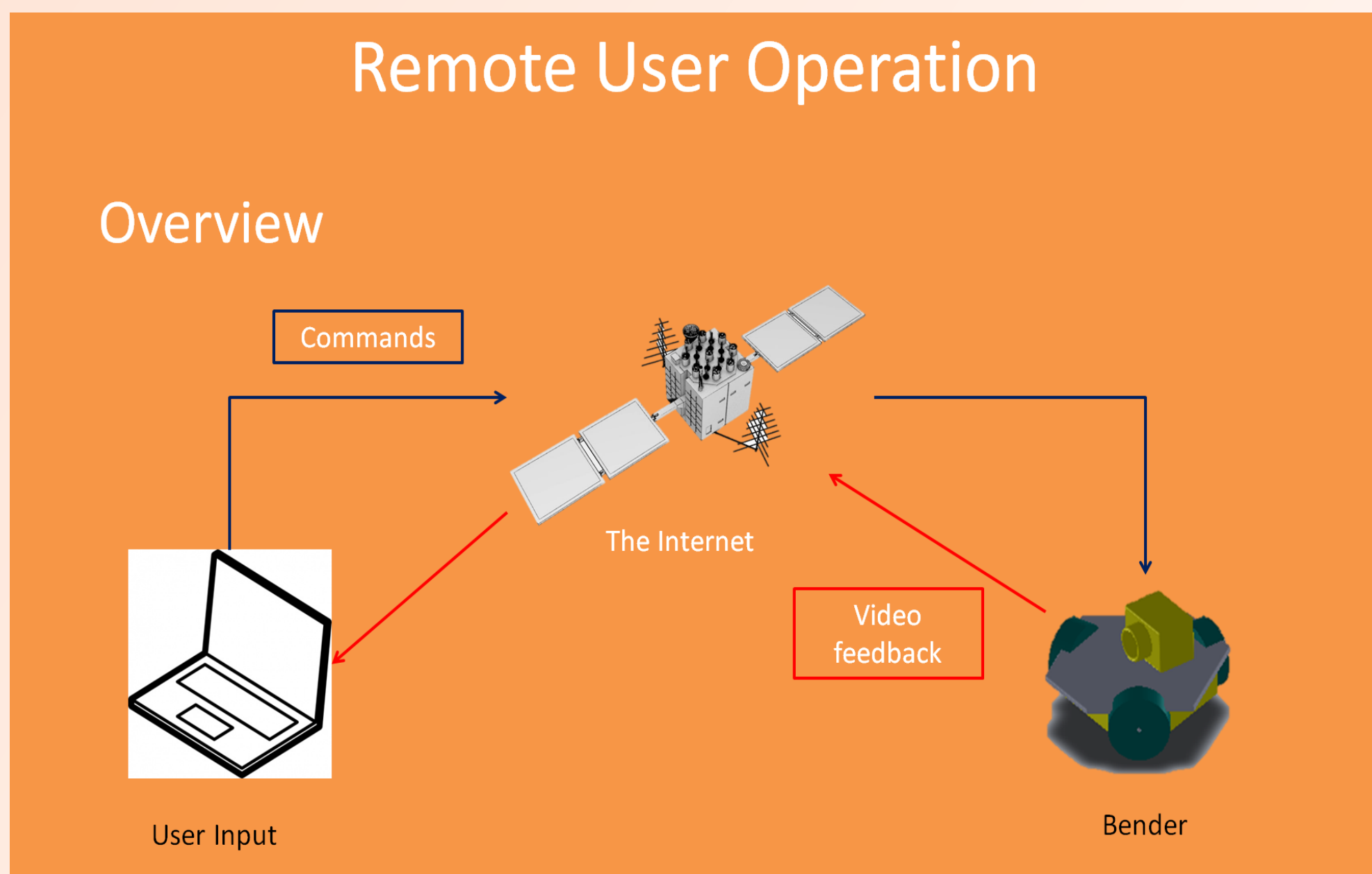
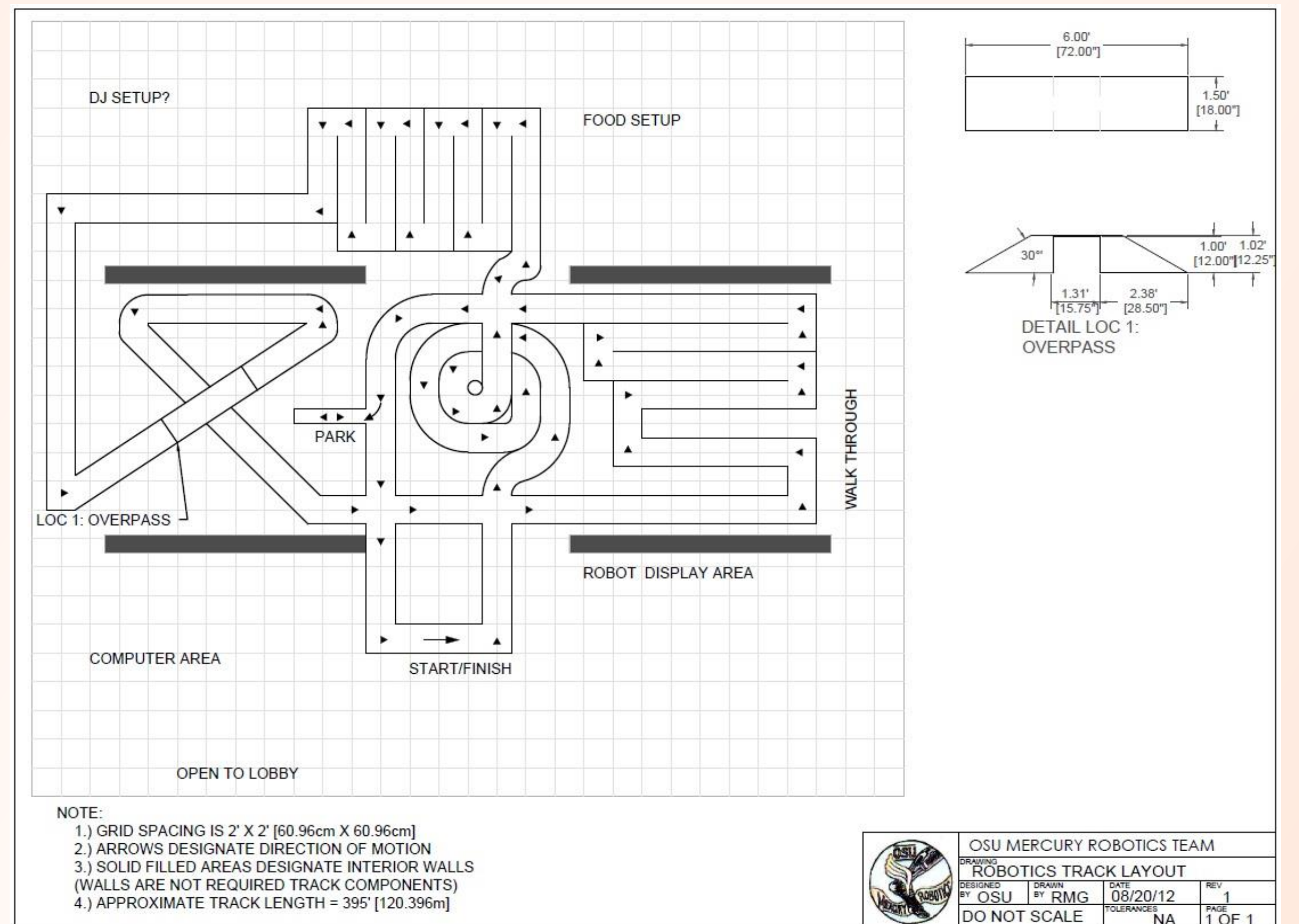
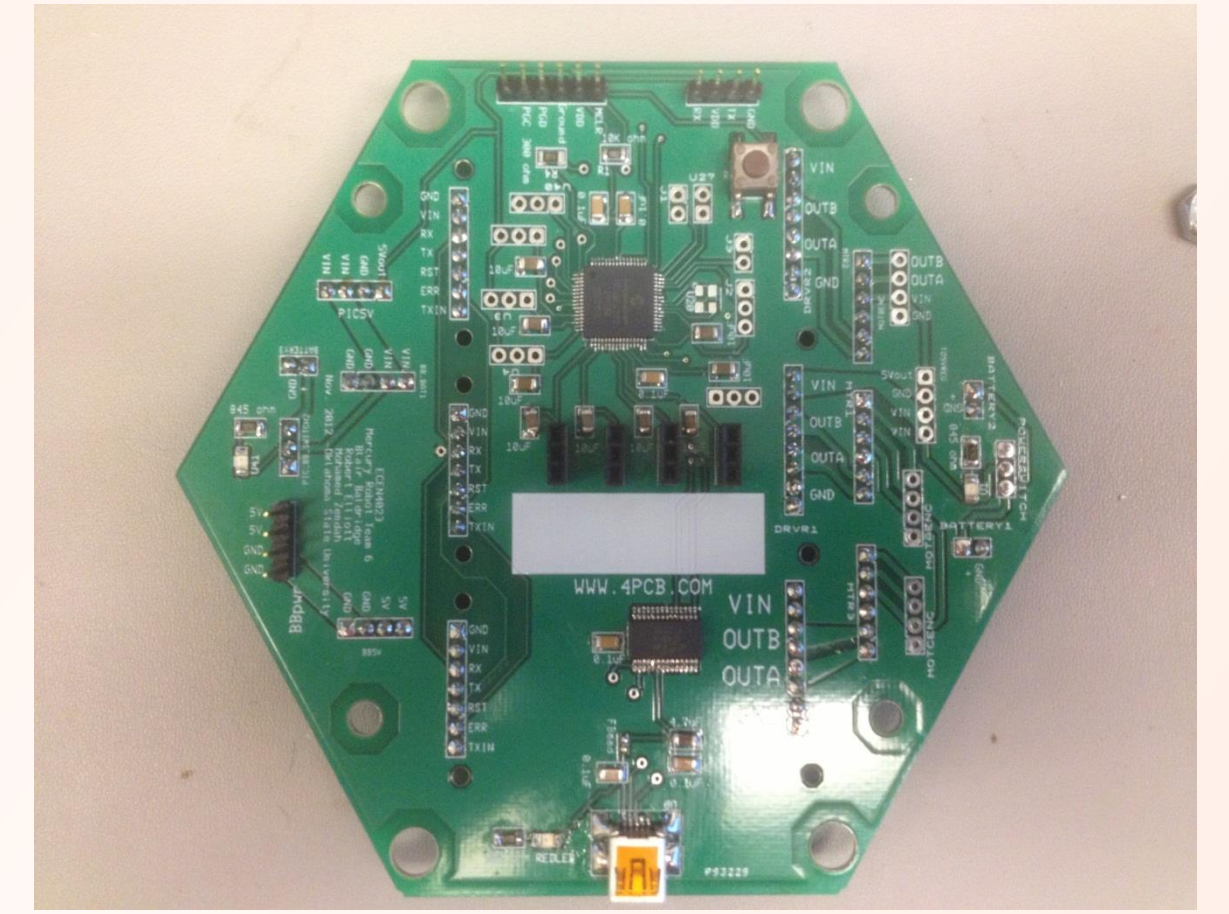
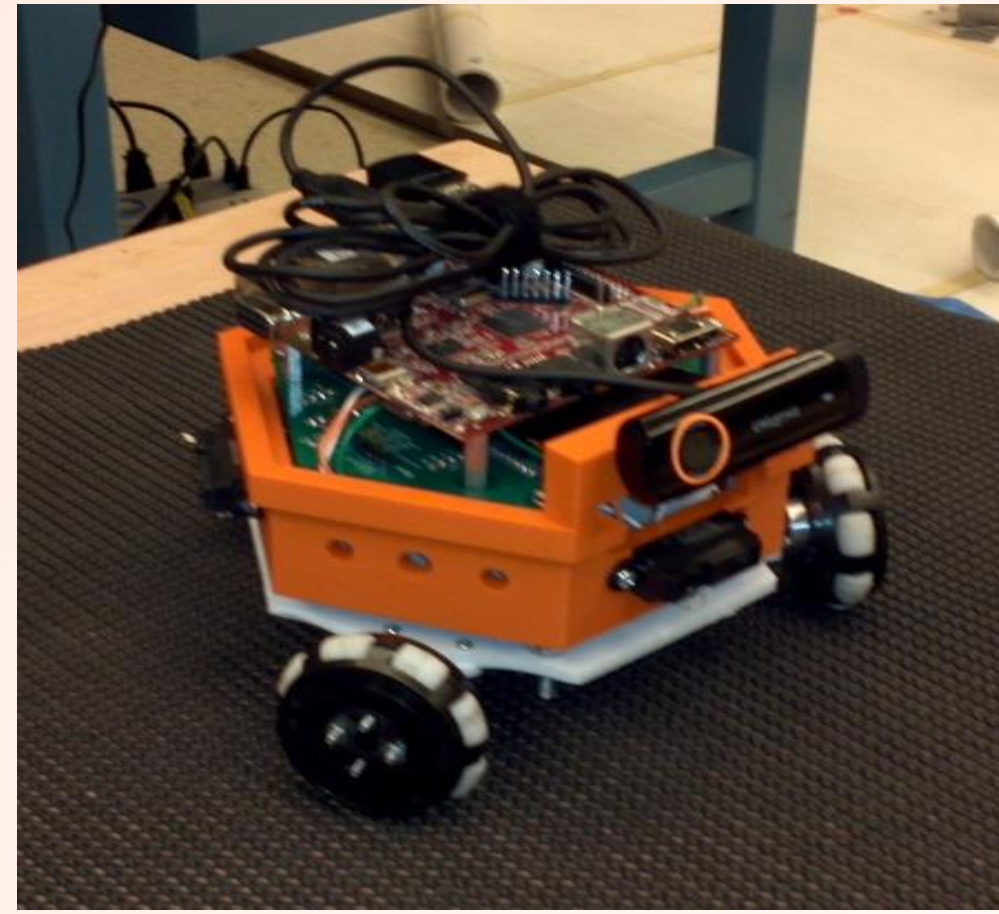
Robert Elliott – Lead Software Designer

Blair Baldrige – Lead hardware Designer

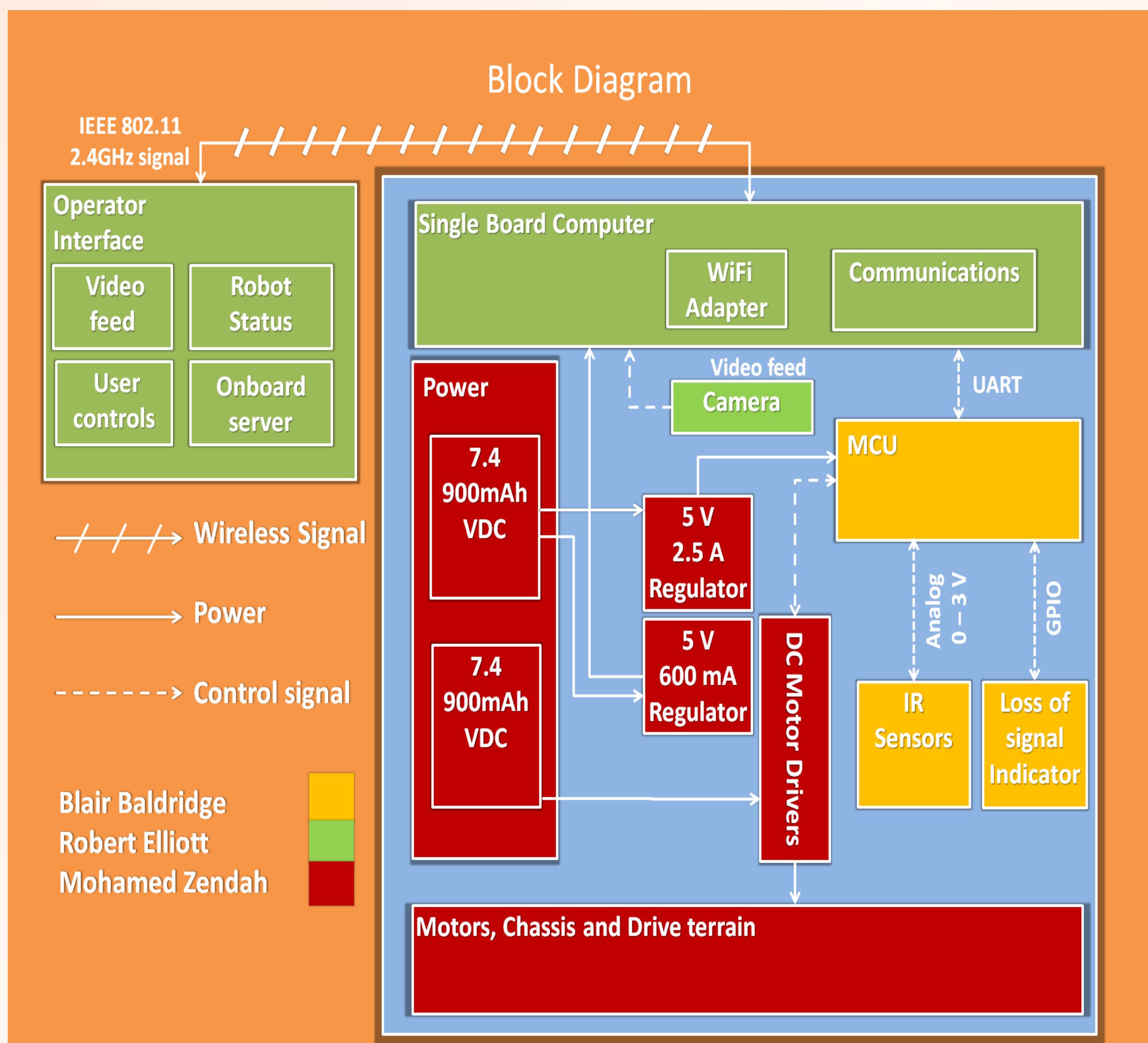
Team Adviser - Dr. Carl D. Latino

Abstract :

Oklahoma State University has annually hosted the Mercury Robotics competition since 2010. The purpose of the competition is for teams to design and build a robot that can be remotely controlled through the Internet from a distance of more than 100 miles, and properly navigate a course provided by the competition.



Block Diagram



The 2013 Track

Technical Features:

- Remote User Operation through the internet.
- Has IR detection in order to detect obstacles.
- Runs on a 7.4V rechargeable NimH battery.
- Has a Loss of Signal indicator – Indicated the loss of user connectivity
- Omni Directional, can be moved in any direction on command.
- Live video feedback through webcam

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