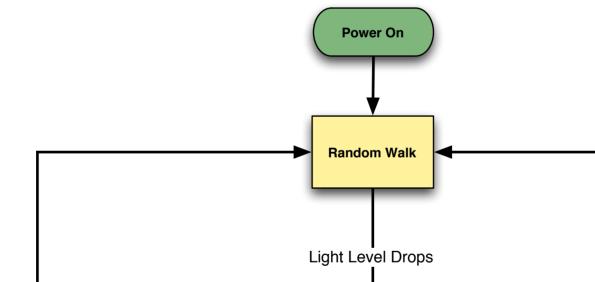
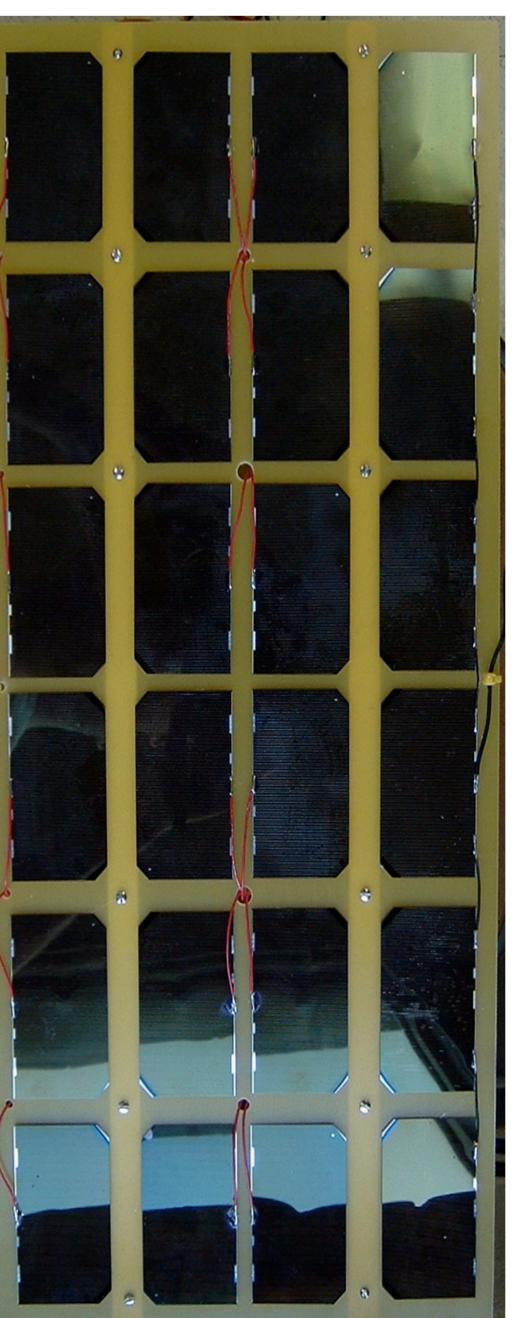


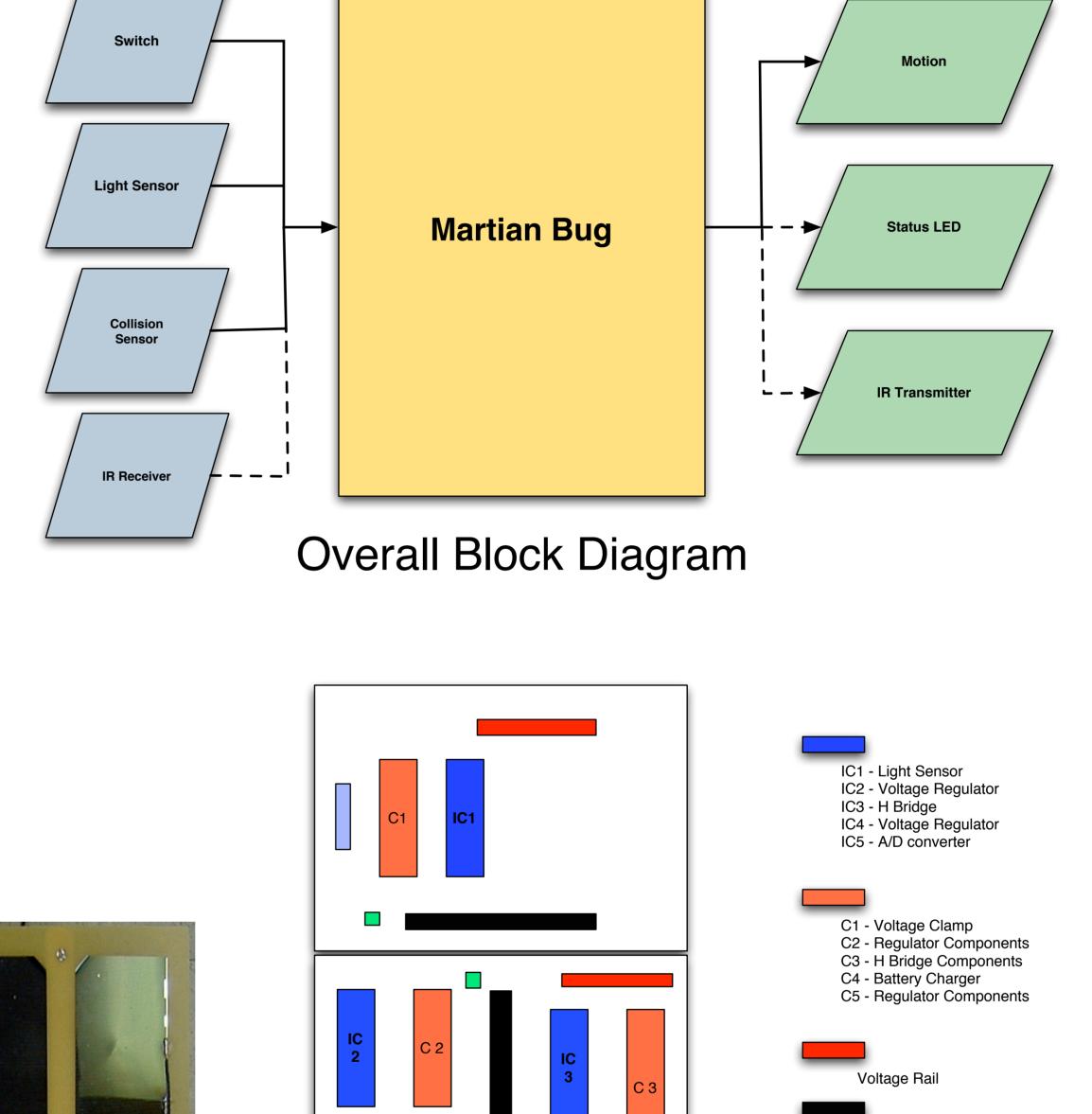
## **Bradley University** Department of Electrical and computer Engineering Adam Jackson & Matt Travis Advised By: Dr. Huggins & Dr. Malinowski

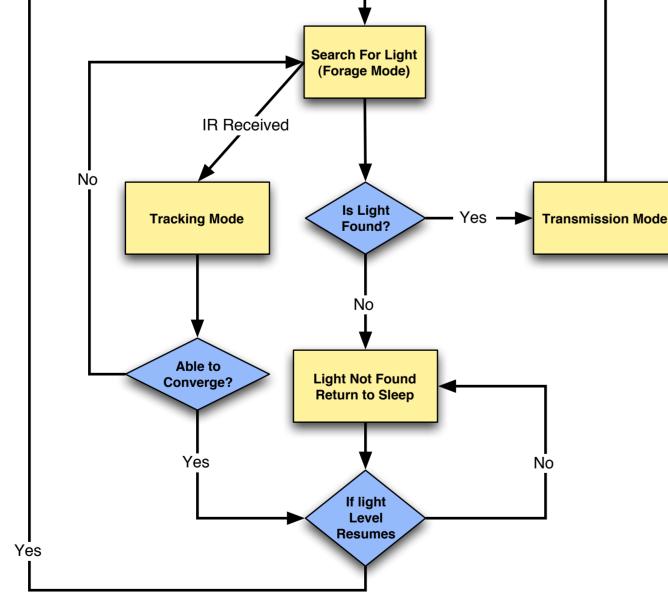
Project Objective

The goal of this project is to create a solar-powered autonomous robot capable of continuous operation under adequate light conditions. The system is based around a low power 8051 microcontroller. The microcontroller provides the modes of operation that the robot uses to interact with its environment. These modes are influenced by input from several sensors mounted on the robot.

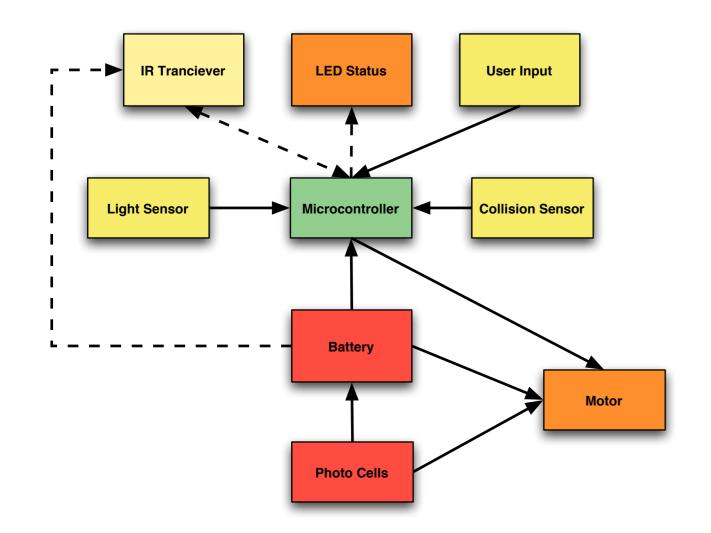




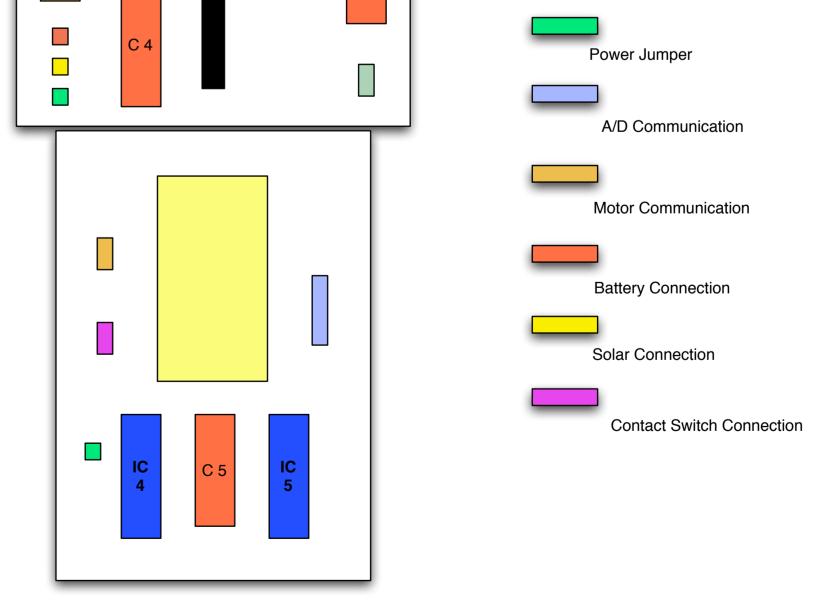




Software Flow Chart

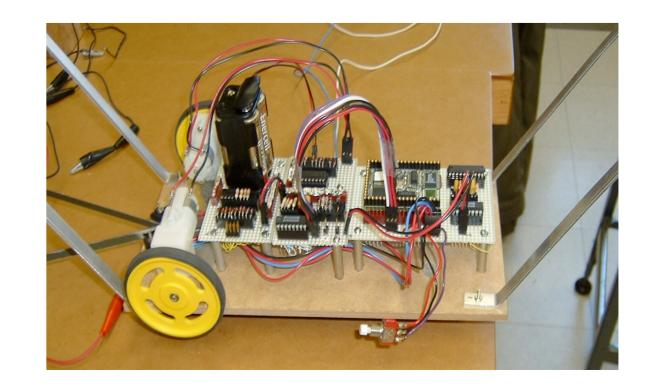


Solar Array



**Board Layout** 

Ground



**Robot Platform** 

	rdurara		
Πa	rdware	FIOW	Una