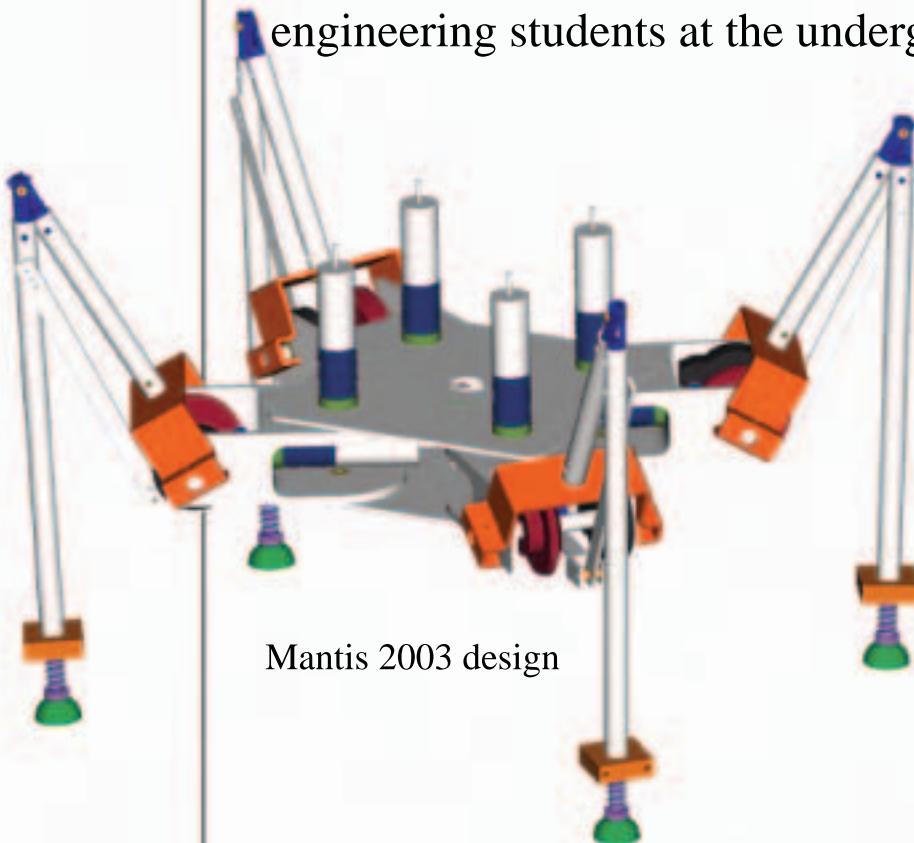
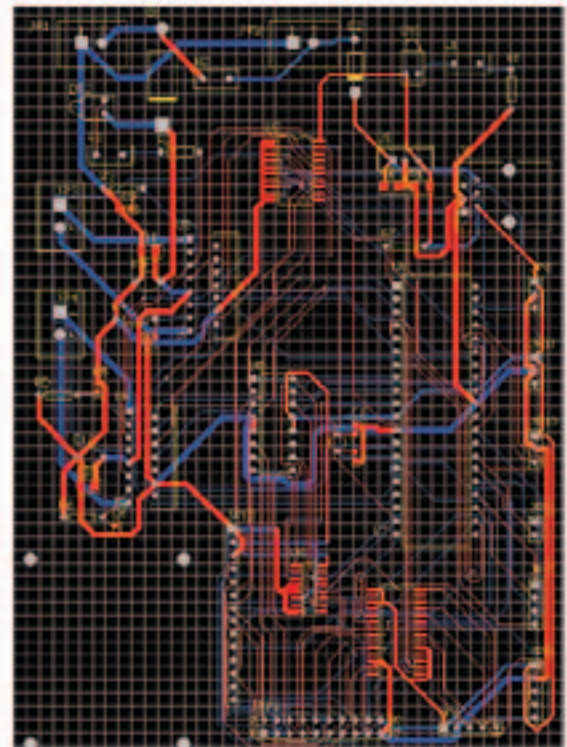


WHAT IS MANTIS?

Mantis is a robot designed to compete in the SAE "Robot Systems Challenge". The competition allows teams from around the world to challenge their designs in a range of events that test the robots' guidance, accuracy and speed. The robot will be designed and fabricated entirely by the coordinated efforts of mechanical, electrical and computer engineering students at the undergraduate level.



Mantis 2003 design

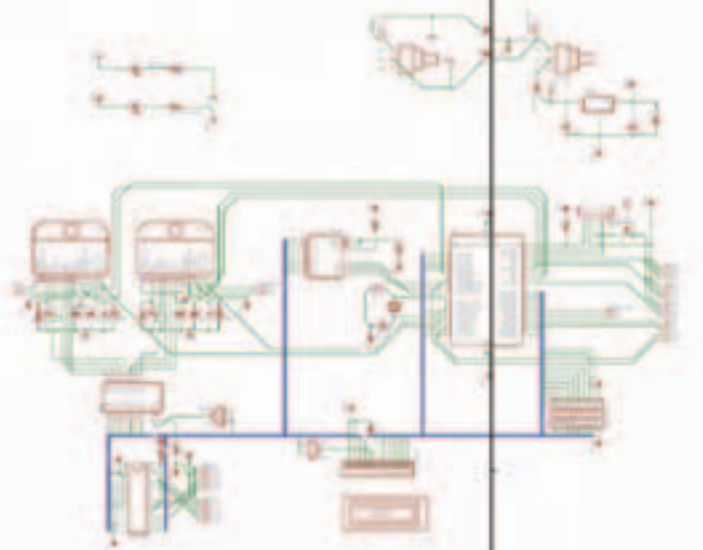


THE TEAM

Mantis is a team that is comprised of a dozen enthusiastic mechanical, electrical and computer engineering students at the undergraduate level. Participation is mostly extracurricular and gives the members experience in engineering problem solving, project management teamwork, budgeting, manufacturing, and additional hands-on experience in robotics not offered in the regular curriculum.

Current Work

- Finished designing motor control hardware and currently designing the boards for manufacture.
- Redesigning the mechanical aspects of the robot to conform with the new SAE rules.
- Designing the higher control levels of the robot.



HISTORY

The Mantis project is the only extracurricular robotics project available to robotics enthusiasts at McGill. It began last year and with a motivated group of individuals we look forward to entering McGill's first robot into the SAE competition next year.

SPONSORSHIP

The McGill MANTIS Walking Robot Team

Mantis is an undergraduate design project that requires the contribution of sponsors for its continued success. Contributions can be in the form of financial donations, services or materials and supplies. Your contribution will guarantee the following:

- Exposure around the McGill University Campus on several occasions throughout the year
- Acknowledgment on the official team website.
- Advertising on the robot itself and team uniforms

ASH #	NAME
1	Foot Assembly
2	Knee Assembly
3	Upper Leg Assembly
4	Shoulder Assembly
5	Thigh Bar Assembly

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