

Electric Orbit Wheels: Laterally Propelled Hubless Rollerblades

Level: Undergraduate

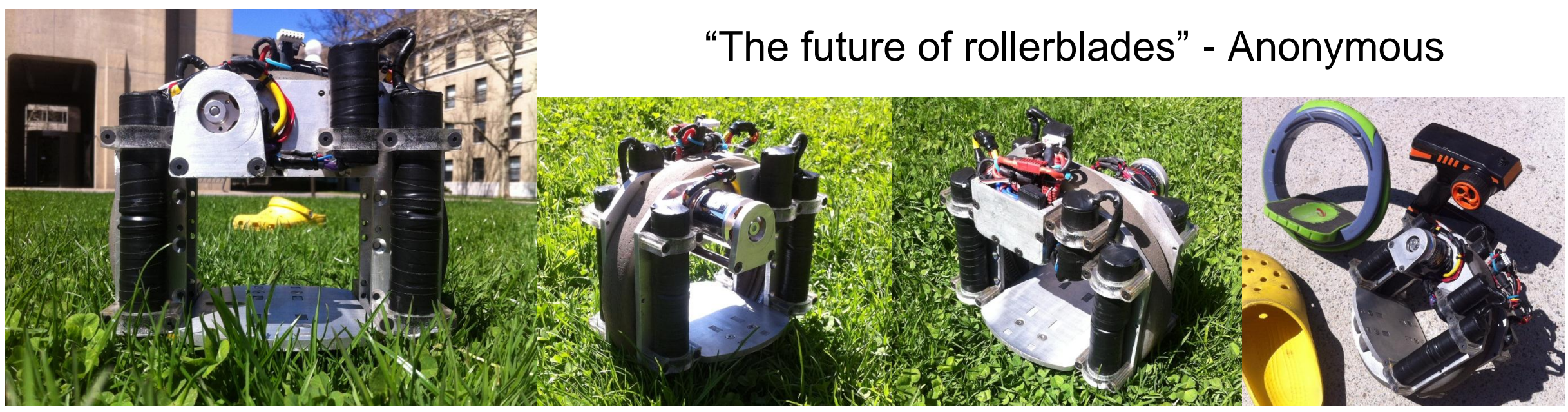


Jaguar Kristeller

Inspiration: Building Things at MITERS

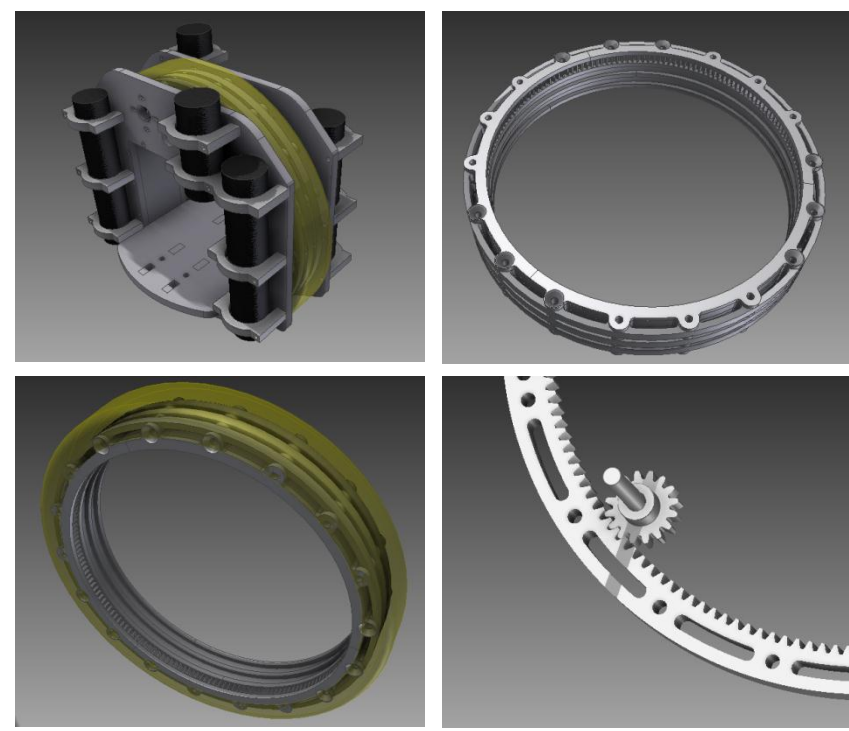
Solution: Extremely Fun & Portable Electric Wheels

“The future of rollerblades” - Anonymous

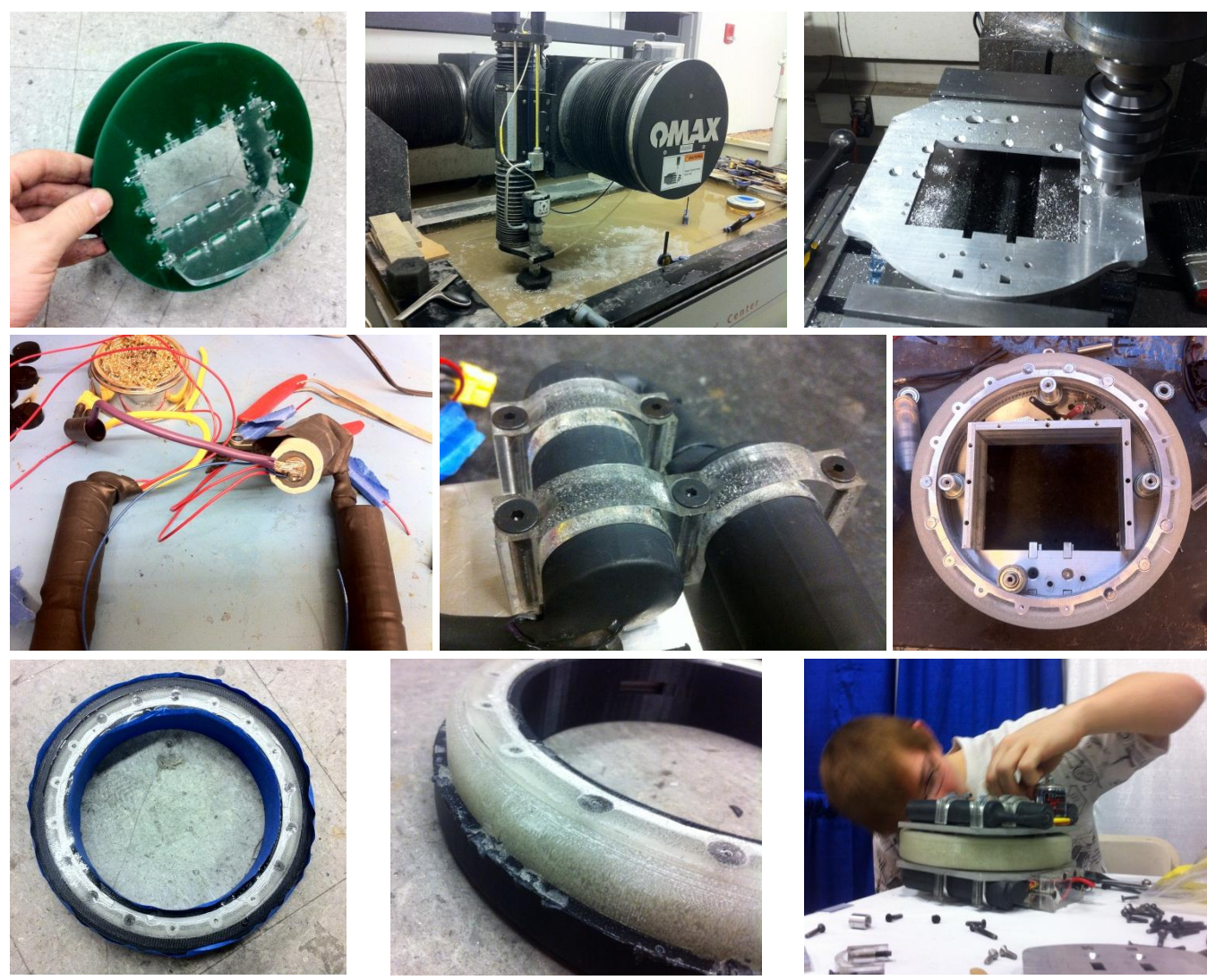


Design & Specifications

Top Speed: 10 mph (16 km/h)
Controller: Brushless 60A Car ESC
Motor: 350kv Brushless Outrunner
Battery: 4.4Ah at 16.5V A123 Cells



Fabrication



Chassis: Water jetted 6061 1/4" Al; Custom Ring Gear; Cast Urethane Wheel; 3D Printed Mold; Infinite Turning Radius

How Do they Work?

