

# SAE CSC2008 SNOWMOBILE DESCRIPTION FORM

Please fill out the following form and return it to the registration desk. *Answer all questions about your snowmobile as it is actually competing (not as it was intended to compete).*

Team Name: **Clarkson Electric Knights** Team Number: 24

Chassis-Year and Model: **2006 Polaris 600RR**

## Engine

Engine Cycle (2-stroke, 4-stroke, rotary, or electric) **3 Phase** Number Of cylinders

Engine Displacement (cc or electric motor size): **37 KW**

Engine Manufacturer: **Solectria**

Engine Modifications (if any):

Compression Ratio:

Turbocharged? or Supercharged? Yes or No : **NO**

Engine Management System: **UMOC425T**

Fuel Delivery -Carburetors, EFI, DI, SDI :

Fuel Pump Pressure \_\_\_psi Fuel Type E10, E85, B10, Battery technology: **Li-Polymer**

## Emission Control

Air/Fuel Ratio Chosen (lean, stoichometric?)

Catalyst? Type?

Secondary Air Injection? - Yes or No: **NO**

Exhaust Gas Recirculation? – Yes or No: **NO**

Other

## Noise Control

Muffler Design:

Noise Treatment: **Rubberized Pulley Guard**

## Cooling

Describe Strategy: **Motor Controller Fans**

*Other Unique Features of Your Snowmobile*

Describe Strategy: **Dual FPGA Programmed Battery Management System: Direct Drive**