

## SAE CSC2010 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 University at Buffalo Team Number: 6

Chassis-Year and Model 2005 Polaris Fusion

**Engine**

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

Engine Displacement (cc or electric motor size) 979cc

Engine Manufacturer Daihatsu

Engine Modifications (if any) bored 0.040" over, forged pistons + rods

Compression Ratio 20:1

Turbocharged? or Supercharged? Yes or No – If Yes circle one

Engine Management System mechanical

Fuel Delivery -Carburetors, EFI, DI, SDI – (circle one) IDI - pre-chamber

Fuel Pump Pressure 8 psi Fuel Type (circle one) E10, E85, B10, Battery technology 1

**Emission Control**

Air/Fuel Ratio Chosen (lean, stoichometric?) varies

Catalyst? Type? Emitec oxidation catalyst + DPM

Secondary Air Injection? - Yes or No (circle one)

Exhaust Gas Recirculation? - Yes or No (circle one)

Other \_\_\_\_\_

**Noise Control**

Muffler Design integral to catalyst

Noise Treatment sound foam

**Cooling**

Describe Strategy stock chassis cooling

**Other Unique Features of Your Snowmobile**

Describe Strategy variable nozzle turbocharger