Title: Design, Analysis, and Construction of a Scaled Prototype for Rain Energy Conversion. (Potential Entry for ASME Student Design Contest 2011)

Position Ref: ASME

Positions Available: 2-3 students

Work Description:
Your challenge is to design a scaled, proof of concept prototype for rain energy conversion. Your prototype device will propel a model car as far as possible in a straight line by converting the potential energy of one liter of water at one meter height. All water must be contained within the device and a penalty will be assessed for any water spilled.

Some or all of the following may be involved:
- Analysis: Dynamics, Fluid Mechanics, Machine Elements
- Prototype Construction
- Report for ASME application and elimination processes.