

CWSF 2009 - Winnipeg, Manitoba



Shannon Hughes

The Bottom of the Barrel: The Stiffer Paradigm

Division: Engineering & Computing Sciences / Automotive

Category: Senior

Region: Timmins

City: South Porcupine, ON

School: Timmins High & Vocational School

Abstract: The STIFFER paradigm (for standard, technology integrated, found fuel, energy recycling), demonstrates an experimentally based renewable alternative energy process to power vehicles while sequestering atmospheric CO₂. The paradigm uses available industrial and automotive processes, to significantly capture Earth atmospheric CO₂, while simultaneously creating new fuel economics, with the potential to fulfill the Kyoto Protocol intent and world prosperity.

Biography

My name is Shannon Hughes, and I live in South Porcupine. I am currently in Grade 12 at Timmins High and Vocational School, and play on the varsity badminton team, as well as labor as president of the student administrative council. Several of my favorite school subjects are science, math and history. Out side of school I spend much of my spare time with friends and family, and participate in extracurricular activities. I am currently participating in dance, cross-country skiing, soccer and piano. During the summer months I enjoy swimming, pilates and spending time at my cottage. I have received numerous awards participating in previous CWSF and regional fairs. Currently, I am Director of Finance on the Mayor's Youth Advisory Council, and Co-Chair of Ontario Teen Leadership North. Several of my other interests include drawing, baking and reading. I one day hope to become a nurse practitioner. Clearly, I enjoy having an active lifestyle and participating in a large variety of activities.

Awards

Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Bronze Medal - Automotive - Senior Sponsor: AUTO21	\$300
Total	\$2 300