

CWSF 2008 - Ottawa, Ontario



Rami Saab

Fuel Cell Bonanza

Division: Health Sciences / Automotive

Category: Junior

Region: Quinte

City: Belleville, ON

School: Harry J. Clarke P.S.

Abstract: Through experimentation, the effect of temperature on the rate of electrolysis and energy output, of a polymer exchange membrane fuel cell (PEMFC) was examined. As predicted, the results showed a definite correlation between the two factors. The fuel cell both had a greater electrolysis rate, and produced a higher voltage at a higher temperature.

Biography

I was born in Montreal, Quebec and now reside in Belleville, Ontario. I am currently enrolled in the eighth grade, at a Pre-IB programme at Harry J. Clarke Public School. I enjoy playing soccer and have played numerous years for my city's rep team. Among other things I enjoy playing music, the guitar and alto saxophone, and am involved in the band at my school. I also have volunteered numerous times in my community for organizations such as amnesty international and at the local immigrant services center. Currently, I would hope to pursue a post-secondary education in environmental or sustainable engineering.

Awards

Value

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