

CWSF 2010 - Peterborough, Ontario



Syed Kamran

Nuclear Steam Waste, Reused!

Division: Physical & Mathematical Sciences

Category: Junior

Region: Peel

City: Mississauga, ON

School: Tomken Road Senior P.S.

Abstract: Nuclear Steam Waste Reused relates to the CANDU Reactor. The project shows that the reactor's waste heat which ranges from around 50 degree to 70 degree celsius can be converted back into electricity. This project uses Thermoelectric Generators to accomplish this task.

Biography

Kamran is an avid participator within his school community, being involved in array of clubs branching into all subjects, notably music and science. He is currently enrolled in the Sci-Tech Inquiry Program at Tomken Road Middle School, Mississauga, Ontario and is going to the International Business and Technology program at Gordon Graydon Memorial Secondary School. His project is on reusing nuclear waste heat, and has attracted the attention of several PhD professors, at various universities. Some of his current ambitions are to become involved within the engineering field, and to attend University of Waterloo. As well, Kamran has participated and excelled in various math contests, including a certificate of distinction in the annual Gauss Math Contest.

Awards

Value

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| The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario | \$2 000 |
| Silver Medal - Environmental Innovation - Junior Sponsor: EnviroExpo, Presented by VIA Rail Canada | \$700 |
| Total | \$2 700 |