

CWSF 2011 - Toronto, Ontario



Victor Ling

Optimizing 2D-Circulating Fluidized Bed Performance: How Factors Affect Cluster

Challenge: Information

Category: Intermediate

Region: London District

City: London, ON

School: Central S.S.

Abstract: Circulating Fluidized Beds are crucial to many industry applications, particularly the multi-billion dollar oil refinery. When the machine operates, clusters form, which benefit applications involving heat and detriment applications involving reactions. A linear equation was discovered that accurately predicts cluster amounts with CFB operating conditions as variables. It has a powerful use in industries, allowing them to individually optimize their processes according to their needs.

Biography

I'm a grade 9 student at Central Secondary School, and I live in London, Ontario, Canada. The CWSF in Toronto will be the second one I'm going to. I enjoy playing chess, and my favorite subjects are math and science. I hope to get a science or technology related job in the future.

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Total	\$1 300