CWSF 2008 - Ottawa, Ontario

Adam Bennett

Ant Colony Optimization

Division: Earth & Environmental Sciences / None
Category: Intermediate
Region: Rideau-St. Lawrence
City: Smiths Falls, ON
School: Smiths Falls District Collegiate Institute
Abstract: Ant Colony Optimization (ACO) is a computer algorithm which uses some of the same methods used by real ants when searching for food, to find an inexact but efficient (short) path between two locations. This project provides an overview of ACO, and describes the development and evaluation of software that was developed to study ACO.

Biography
Adam Bennett was born on July 17, 1992, in Ottawa, Ontario. He currently lives outside Smiths Falls with his parents, Diane and David, and his two sisters, Laura and Dayna. Currently he is a Grade 10 student at Smiths Falls District Collegiate Institute, in Smiths Falls, Ontario. His interests include Electronics, Robotics, Programming Languages, and Computer Science.

Awards	Value
Petro-Canada Peer Innovation Award - Intermediate Ontario North & East Sponsor: Petro-Canada	$200
The University of Western Ontario Scholarship Bronze Medallist - $1000 Entrance Scholarship Sponsor: University of Western Ontario	$1 000
Bronze Medal - Computing & Information Technology - Intermediate Sponsor: Intel of Canada, Ltd.	$300
Total	$1 500