

CWSF 2018 - Ottawa, Ontario



Maria Levkovytska

Emergent and Self-Organizing Behaviour in Natural and Simulated Systems

Challenge: Discovery

Category: Senior

Region: Pacific Northwest

City: Prince Rupert, BC

School: Charles Hays Secondary

Abstract: To better understand how complex systems like slime molds or flocking birds organize without a leader guiding them, I experimented with and researched live slime mold to see how it responds to different environments. I then used computer programs to recreate its behavior and study how its cells work together to achieve a goal.

Biography

My name is Maria Levkovytska, I am a grade 12 student from Charles Hays Secondary School in Prince Rupert. I avidly enjoy reading and have recently undertaken writing. My goals for the future are to become a Mechanical Engineer and my dreams are to someday travel to exotic and faraway palaces.