

CWSF 2009 - Winnipeg, Manitoba



From the Bottom Up: Self-Assembly by Lateral Capillary Forces

Division: Health Sciences / None

Category: Senior

Region:

City: ,

School:

Abstract: From the Bottom Up: Self-Assembly by Lateral Capillary Forces examines the use of capillary forces to assemble plastic blocks in a liquid-air interface, and how the blocks can be manipulated as to be assembled in desired patterns. Inducing attractions and repulsions can influence the blocks in such ways which their movement can be predicted and furthermore used in the creation of small technologies.

Awards	Value
International Summer School for Young Physicists Award Sponsor: Perimeter Institute for Theoretical Physics	\$2 500
Honourable Mention - Engineering - Senior Sponsor: Youth Science Canada	\$100
Total	\$2 600