

ESPC 2009 - Winnipeg (Manitoba)



Biographie

I was born in Israel in 1996. We moved to the US with my parents in 1998. Lived in Austin, TX and Highland Park, NJ. In 2004, we moved to Vancouver. I have one brother, who is 15. My hobbies are: chess, tennis, skiing, skateboarding, reading.

Arik Milner

eMission Impossible: Detecting Pollution with Laser Light

Division:	Sciences de la santé / Innovation environnementale
Catégorie:	Junior
Région:	Greater Vancouver
Ville:	Vancouver, BC
École:	Point Grey Secondary
Sommaire:	A prototype device that detects water pollution using laser light is built. It
	utilizes a physical principle of light scattering off small particles. A cheap
	webcam, controlled by computer, takes an image of scattered light.
	Cofficients programs applying the imperior and desides whether to trigger a

Software program analyzes the image and decides whether to trigger a pollution alarm. In the future, the device will be expanded to detect pollution in air and identify pollutants.

Prix	Valeur
Bourse d'études de l'Université Western Ontario	1 500,00 \$
Médaillé d'argent - Bourse de début d'études de 1 500 \$	
Commanditaire: Université Western Ontario	
Mention honorable - Innovation environnementale - Junior	100,00 \$
Commanditaire: EnviroExpo, présenté par VIA Rail Canada	
Médaille d'argent - Génie - Junior	700,00 \$
Commanditaire: Sciences jeunesse Canada	
Total	2 300,00 \$

Sciences jeunesse Canada B.P. 297 Pickering (Ontario) L1V 2R4 www.youthscience.ca / info@youthscience.ca 416-341-0040

