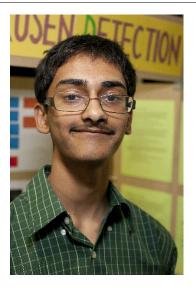




ESPC 2011 - Toronto (Ontario)



Biographie

Atulya Madhavan has been described as "the smartest 10th grader at Sir Winston Churchill high school" mainly by himself. Estimates suggest he has spent over ten thousand hours reading Harry Potter books and has single handedly kept the publishing industry afloat through the 2009 recession. He is best known for boring people with his conversation on "mathematical algorithms" and is the only one who understands Maxwell's equation. He is also thought to be the greatest soccer player and cricket player in Calgary by literally one person. He intends to become the world's greatest ophthalmologist someday. Atulya has never heard a 'Justin Briber' song.

Atulya Madhavan

Optic Disc Drusen Detection

Défi:	Innovation
Catégorie:	Intermédiaire
Région:	Calgary Youth
Ville:	Calgary, AB
École:	Sir Winston Churchill High School
Sommaire	The aim of my project is to create an algorithm to detect optic disc drusen
	(ODD) in the eye. This should assist ophthalmologists by creating a priority
	list of patient images to verify and enable faster treatment administration.
	The algorithm uses several spatial domain filters implemented in Matlab to
	flag the image as ODD positive or negative. Testing shows favourable
	results for the algorithm.

Prix	Valeur
Prix d'excellence - Intermédiaire - Médaille de bronze	300,00 \$
Commanditaire: Sciences jeunesse Canada	
Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaillé de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Total	1 300,00 \$



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TORONTO 2011