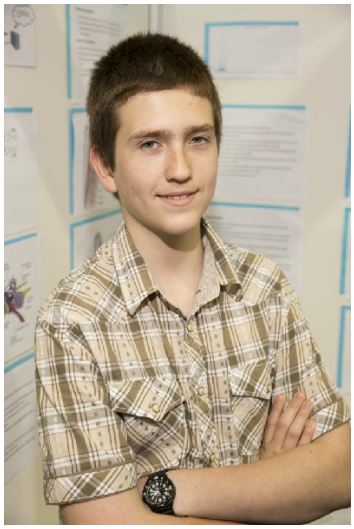
CWSF 2015 - Fredericton, New Brunswick



Mike Roslikov

Speech Recognition - A Fresh Approach

Challenge: Discovery
Category: Junior
Region: Greater Vancouver
City: Coquitlam, BC
School: Summit Middle School
Abstract: We offer a new approach to speaker independent sound perception that can lead to 100% accuracy of continuous speech recognition. This project achieved very precise identification of few sounds out of all possible signals. I developed a test bed that does this real time consuming very little resources. These results convince us that it is possible to extend this approach to all human generatable sounds.

Biography

Mike Roslikov is a 12 year old middle school student at Summit Middle School, located in the Greater Vancouver region of Beautiful British Columbia. He is an enthusiastic computer programmer. Exploring science is one of his main interests. Mike enjoys computer science, aero science and skiing. In 2014, he was awarded a GVRSF silver medal, and a Mathematics Award for the Pacific Institute for the Mathematical Sciences. He also was presented with the Cum Luade award at the VSF, Computer Science Award and the Engineering Sciences Award. He plans to study Computer Science in university and work as a Computer Scientist.