



RESEARCH2REALITY

Shining a light on research & innovation.

Considering All Points of View... Literally

An Interview with researchers at York University's **Vision: Science to Applications (VISTA)** program

Doug Crawford, Neuroscientist, Scientific Director at VISTA

Laurence Harris, Neuroscientist

Richard Wildes, Computational Vision Scientist, Associate Director at VISTA

Michael Brown, Computer Scientist

Robert Allison, Virtual Reality Scientist

Lauren Sergio, Health Scientist

Doug Crawford

VISTA stands for Vision: Science to Applications, and it's a program we have here at York University, which focuses on vision. Now, to be clear we're not just investigating the eye, most of us are looking at how the brain interprets the images of the eye and uses that. So that has applications in various aspects of healthcare.

Laurence Harris

We're looking at vision from all sorts of different points of view. From the neurophysiological point of view, from normal vision and perceptual point of view, the computer point of view, and from robotics, also. So there's many different applications, and many different ways of thinking about what vision is. And York has always been a centre for this research.

What is the future promise of VISTA?

Richard Wildes

I like to think of it as a two-dimensional space, the one that we're trying to span from biological to computational vision, and on the other hand we're trying to span from pure science of vision to the applications of vision.

