# Eye-Tracking Lie Detector Will Rat You Out

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It's been said that the eyes are the windows to your soul, but for psychologists John Kircher, Doug Hacker, Anne Cook, Dan Woltz, and David Raskin, your eyes also serve as a pair of honest Abes unable to tell a lie. Straight to the point, the aforementioned research team, who hail from the University of Utah, have come up with an eye-tracking technology that could replace the polygraph for lie detection.

"The eye-tracking method for detecting lies has great potential," says Gerald Sanders, a venture capitalist who manages Credibility Assessment Technologies (CAT), which licensed the technology. "It's a matter of national security that our government agencies have the best and most advanced methods for detecting truth from fiction, and we believe we are addressing that need by licensing the extraordinary research done at the University of Utah."

The nuts and bolts of it all is this. Rather than rely on a person's emotional reaction to lying, like a typical polygraph test, eye-tracking technology measures the subject's cognitive reaction. The test begins with a series of truth and false questions on a computer while different measurements are taken, including pupil dilation, response time, reading and rereading time, and errors.

According to the researchers, a subject who isn't being honest tends to work harder. They may have dilated pupils and take longer to read and answer questions, all of which are indicative of a dishonest answer.

"We have gotten great results from our experiments," says Kircher. "They are as good as or better than the polygraph, and we are still in the early stages of this innovative new method to determine if someone is trying to deceive you."

More here.



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