

Brainwave Monitoring Software Improves Distracted Minds



Langley Research Center

**Unique Logic
Fletcher, North Carolina**

NASA Technology

- ◆ NASA engineer Alan Pope was the first person to use neurofeedback to influence the outcome of a computer program when working on flight automation
- ◆ The technology measures brainwaves that correlate with how attentive a person is at any moment



Technology Transfer

- ◆ Teacher Peter Freer was inspired by Pope's work with neurofeedback and founded Unique Logic, which helps students learn by teaching them to be in their peak attention states while studying
- ◆ His spinoff company, Freer Logic, uses brainwave technology to monitor drowsiness, improve workplace and sports performance, and encourage relaxation

Benefits

- ◆ The company's patented BodyWave technology allows for brainwave measurements through an armband device, rather than the traditional helmets that are used
- ◆ Unique Logic employs 38 people, and customers include NASA, the nuclear power industry, US Olympics sports teams, and NASCAR