

Terrorist arrested by a non-invasive device able to read and interpret brainwave activity that will revolutionize our way to communicate with computers.

Sun Oct 27, 2017 11:54pm ET

By Frank Crittin

Zurich (Reuters) – An influential member of the "New Order Army" has been captured last night at the Zurich airport dealing the famous terrorist group a severe blow to its operational effectiveness. He was planning to fly to Mexico and was caught by a brand-new biometric technology that is proving highly accurate results. Once again the security domain has pushed a new technology in the spotlight. The activist had not been arrested by face recognition despite the hundreds cameras installed in the airport. Indeed, instead of classical face identification technology, Zurich airport security unit uses a revolutionary biometric brainwave analysis system enabling automatic identification of all passengers. When passengers walk up to a terminal, a device instantly scans their brainwaves, gathers biometric data and makes the identification.

Since Claude Bertillon in 1870 the "inventor" of biometry (Bertillon's system of body measurements was used in the USA to identify prisoners until the 1920s), this domain has slowly evolved. After the use of fingerprints for unique identification for nearly a century, face recognition (since its first use in January 2001, where it was in use to scan the faces of people in the crowds attending the Super Bowl) has been considered as the most non-intrusive and user-friendly biometric identification method. Even if in practice this technique has encountered some good results, it has been doomed to failure by two major drawbacks. First, even with an excellent recognition rate, the number of false alarms generated by this type of system has remained penalizing in practice. Secondly plastic surgery has been very successfully used by a new type of undesirable clients with motivations quite different than the participants of Miss World.

Due to recent developments in sensor technology, the company Unoxam has developed a remarkable system capable of measuring brainwaves remotely. This technology, based on ultrahigh impedance electric potential, provides tools for applications that are boundless. This first application of the technology in the security domain is already a success with the arrest of this activist. But very soon, the old images of people wearing headbands - used to play video games (Sony has commercialized a few years ago a head band able to induce sensory experiences such as smells, sounds, and images for video game), to drive their cars (mainly used to detect drowsiness) or to communicate with their computer (last scientific study showed that an average person is able to write at 60 words a minute directly using its brain, this is two time faster than an person writing by hand) - seem to belong to the past.

Very soon computer will be able to read an individual's thought by analyzing a combination of facial movement and brainwave activities that represent underlying feelings. Application in security is straightforward: system will not only check the identity of persons but also their intentions. MySpace, which has just bought Yahoo!, plans to introduce these technologies to allow their users to directly "annotate" content with their feelings without referring to words.

We are heading towards a new kind of interface where humans will be able to control machinery with thoughts alone. In the near future mind and computer will merge... in this perspective even with innumerable unprecedented applications that will certainly improve our life, the idea of a virus creating havoc with a human brain through such an interface could be seen as a nightmare!