

Brain-Computer Interfaces Are Changing the Way We Communicate

September 05, 2012

APS Fellow Niels Birbaumer, Professor of Medical Psychology and Behavioral Neurobiology at the University of Tübingen, Germany, studies brain-computer interfaces (BCI). BCIs allow communication from the brain to an external device for patients who otherwise could not communicate through muscle movements to produce speech, gestures, or eye movements. Birbaumer was awarded the Wilhelm Wundt Medal, the Helmholtz Medal as well as honorary doctorates from Friedrich-Schiller-University Jena and Complutense University of Madrid.

Watch Niels Birbaumer discuss his research on brain-computer interfaces in this [series of interviews](#).

[GoCognitive](#) is an educational website supported by the APS Teaching Fund that provides free access to tools on cognitive psychology and neuroscience. GoCognitive has an archive of video interviews of leading researchers in the field, in addition to interactive demonstrations.