

1. Record Nr.	UNINA9910139133603321
Titolo	2010 36th Annual Northeast Bioengineering Conference
Pubbl/distr/stampa	[Place of publication not identified], : I E E E, 2010
ISBN	9781424469246 1424469244
Descrizione fisica	1 online resource : illustrations
Disciplina	660.6
Soggetti	Bioengineering Biomedical engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	A BMI using Electroencephalography (EEG) input, known as the Emotiv EPOC™ was tested with an external robotic arm to determine if it was suitable for control of peripherals. Within 2 weeks of training, subjects maintained or improved axial control of the robot arm, and reduced their overall performance time. Although the EPOC™ does require further testing and development, its adaptability to multiple software programs, users and peripherals allows it to serve both Virtual Rehabilitation and device control in the immediate future.