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PROJECTE DE DOCTORAT INDUSTRIAL EXPEDIENT 2015 DI 063

DADES DE L'EMPRESA I DE L'ENTORN ACADÈMIC

Títol del projecte

EEG based Brain Computer Interfaces for Neuro-Rehabilitation purposes

Empresa

g.tec medical engineering spain, S.L.

Responsable de l'empresa

Arnau Espinosa

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BREU DESCRIPCIÓ DEL PROJECTE DE RECERCA

The project is focused on the use of EEG data to assess consciousness levels for minimal consciousness state patients. The student will investigate the potential of several avenues; evoked potentials and Motor related cortical potentials. The long term aim is to use EEG data in real time Brain Computer Interfaces for rehabilitation purposes.

At g.tec you will be a part of a team of experienced IT professionals and researchers tasked with creating applications and products for research, assessment and rehabilitation purposes in the field of Brain Computer Interfaces.

Essential Functions:

- Design, test and validate novel neurorehabilitation technics based on EEG and electrical stimulation
- Research and master Brain Computer Interface in biomedical or related fields.



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