電機系 DEPARTMENT OF ELECTRICAL ENGINEERING

Laboratory for Neuroengineering and Augmented Cognition (NEAC)
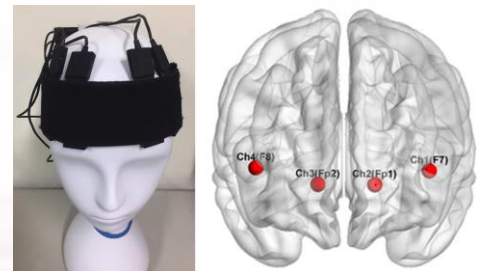
Research Focus

- **Electroencephalography (EEG) and functional near-infrared spectroscopy (fNIRS) signal processing**
- **Brain functional connectivity**
- **Brain hyperscanning**
- **Brain-computer interface**

Research Scope

- **Multimodal physiological-signal integration and assessment for psychiatry and augmented cognition**
- **Large-scale brain-network mining**
- **Artificial intelligence for computer-aided diagnosis and neurofeedback training**
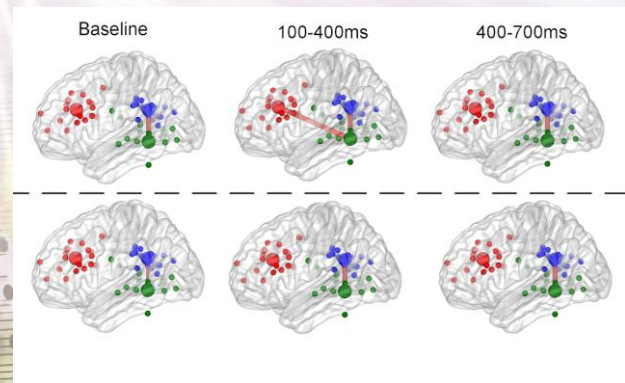

Neurofeedback signals and social evaluating interface for psychiatric patients

fNIRS study on anxiety and reduced working memory function

Hyperscanning and brain computer interface

Brain functional connectivity

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