

BMDE 610. FUNCTIONAL NEUROIMAGING FUSION.

Credits: 3

Offered by: Biomedical Engineering (Graduate Studies)

This course is not offered this catalogue year.

Description

Biomedical engineering: Multimodal data fusion of electrophysiology and functional neuroimaging data, including: detailed description of source localization methods for Electro- and MagnetoEncephaloGraphy data, analysis of brain hemodynamic activity through simultaneous recordings with electrophysiology, analysis and reconstruction of Near Infra-Red Spectroscopy data, modeling of the neurovascular coupling, validation methodology.

- Prerequisites: ECSE 305, MATH 223 or equivalent

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