

ELECTRICAL, ELECTRONICS AND COMMUNICATIONS ENGINEERING

Advanced Computational Strategies for Next Generation Electric Brain Imaging

Funded By	DET - Gestione Dottorato
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Context of the research activity	This thesis project will investigate computational, processing, and validation strategies towards an improved kind of electric imaging of the brain activity.
Objectives	This research effort is a multidisciplinary one as the PhD candidate will have to conceive new modelling strategies for the brain tissue, new algorithmic procedure for the imaging and the processing of the data, and overall new imaging modalities, electric in nature, that will allow to explore brain signals significantly better than how this has been done till today.
Skills and competencies for the development of the activity	<ul style="list-style-type: none">-Good math and physics background-Knowledge of brain physics and processes-Good programming skills