

Lecture “Advanced Neural Engineering” Report

Deadline Sunday, January 21, 2024, 24:00

Submission Upload on ScombZ

Format A4-size PDF

Problems

- (1) Introduce your research topic in your university. If you have not been started your research project yet, introduce your possible research plan and the reason(s) why you like to do instead. (at least 1 page with figures)
- (2) Choose one out of the five sensations of human (visual, auditory, touch, smell and taste) and explain its working mechanism. And describe the possible way to provide the alternative functionality to the patient who lose the sensation completely. (at least 1 page with figures)
- (3) Describe working mechanisms of instrumentation amplifier (using three operational amplifiers) using formulars.
- (4) Propose a possible virtual research plan to uncover a brain function or to develop neuromorphic system to help our daily life. Background, objective, method and required research equipment should be described. (at least 1 page with figures)