

Special Issue

Neural Engineering in the Human Brain

Message from the Guest Editor

Neural engineering combines neuroscience and biomedical engineering, aiming to understand, interface with and engineer the nervous system.

Neuroergonomics, on the other hand, is the study of the human brain in everyday life in domains such as aviation, workplaces, education and healthcare. Additionally, neurorobotics is an interdisciplinary field combining neuroscience, artificial intelligence and robotics, aiming to develop robots that can better interact with and understand the human nervous system. Overall, neural engineering is a rapidly advancing field that leverages engineering principles to understand, interact with and restore the function of the nervous system. The applications span neuroscience research, clinical diagnostics and therapeutic devices.

Guest Editor

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