

Desing of Full-text Search for Database and Linkedin Social Network in Electrophysiology



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EEG/ERP (electroencephalography, event-related potential) laboratories produce experimental data and metadata. Authors' research group has contributed to the building of a neuroinformatics infrastructure by developing and integrating data management and analytic tools for EEG/ERP research - the EEG/ERP Portal. With the development of the Portal and the increasing amount of data/metadata, a proper full text search mechanism for efficient information retrieval is necessary to improve the user experience. The presented solution combines search over data/metadata stored in an electrophysiological database and in the LinkedIn social network. Open source search engines, criteria, suitable engine selection, and index design are presented. Integration of the full-text solution to the EEG/ERP Portal is described.

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Angers