

Bookreview**EEG-fMRI: Physiological Basis, Technique, and Applications***Christoph Mulert • Louis Lemieux (Eds.)**Springer-Verlag Berlin Heidelberg 2010**ISBN: 978-3-540-87918-3***Book's Blurb:**

Functional magnetic resonance imaging (fMRI) and electroencephalography (EEG) are very important and complementary modalities since fMRI offers high spatial resolution while EEG provides a direct measurement of neuronal activity with high temporal resolution. Interest in the integration of these two types of data is growing rapidly as it promises to yield important new insights into human brain activity, as has already occurred in the case of epilepsy. Indeed, it seems certain that integrated EEG-fMRI will play an increasing role in neuroscience and in the clinical study of various brain disorders. This book discusses in depth all aspects

of EEG-fMRI, including physiological principles and technical and methodological issues such as EEG artefact reduction methods, image quality, and data analysis strategies. Detailed consideration is given to all potential applications, primarily in the fields of sleep, research, cognitive neuroscience, and clinical neurology and psychiatry. All of the authors are recognized experts in the field, and the text is supported by numerous informative illustrations. ●

In the context of our survey, we will draw five samples of the brandnew book „EEG-fMRI“ (Mulert, Lemieux).

