Axxonet System Technologies has licensed the B.S.P / B.E.O.S technology from Prof. C.R. Mukundan, to build our Neuro.Signature.System.

A list of peer reviewed scientific publications (underlined), and publications after reviewed presentations in seminars and conferences by Prof. C.R. Mukundan and others are given below. These published papers have used relevant frequency and time domain EEG analysis technology, which the author has used in developing the scientific basis of oscillation analysis and time domain changes employed in the Neuro Signature Profiling program. There are more than 700 peer reviewed publications, which must be read and understood for a comprehensive understanding of the rational and techniques applied in the development of various electrophysiological and neurocognitive techniques used in the development of Neuro Signature profiling used for forensic applications. Brief reviews of the findings in these studies and their Meta-analysis are available in authors book “Brain Experience” (2007).

The unique aspect of the Neuro Signature program is based on the original findings of Neurocognitive and Neuroexperiential changes observed during remembrance of experiences and the unique combination of mathematical and statistical treatment of the electrophysiological data applied for interpretation of bioelectric oscillations, which are applied for forensic interpretations. The program allows automatic analysis of the wealth of electrophysiological data based on the predefined algorithm of neurocognitive processing.

Internationally and nationally published peer reviewed Studies on EEG frequency-time analysis, from which the Neuro Signature analyses were adapted and developed:


**Reviewed publications on Neurocognitive Processes, from which the scientific basis of the Neuro Signature model was derived.**


Publications relevant to Neuro Signature System


Books Published


Invited papers published


Related Presentations


Invited presentation at Neurodynamics Laboratory, SUNY Downstate Medical Center, 450 Clarkson Avenue, Box 1203, Brooklyn, NY 11427, on May 15, 2007.

Invited presentation at Kirby at Kirby Forensic Psychiatric Center, New York, 100035, on May 11, 2007.
Other Published Studies differentiating between “Knowing” and “Remembrance”, which support the scientific basis of the model used in Neuro Signature Profiling.


Kosslyn, S.M., Thompson, W.L., & Alpert, N.M. (1997). Neural systems shared by visual imagery and visual perception: a positron emission tomography study. Neuroimage. 6, 320-34.


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