

Keynote Title: Conscious and Unconscious Vision – Prof Yuri Shelepin, I. P. Pavlov Institute of Physiology, Russian Academy of Sciences, St. Petersburg, Russia

Abstract:

The channels for unconscious signal processing were investigated. The signal was hidden by masking on the periphery of the visual field and presented for a short period of time. The hidden signal on peripheral vision channels was activated by loading the central vision channel with a "pseudo-goal". We assumed that at these conditions it is easy to activate the channels of unconscious vision. We argue that if descriptions of unconscious signals are stored in memory, obtaining this stored information for its analysis in an experiment is possible only indirectly, by controlling the subject's unconscious reactions. The hidden information can be revealed by measuring involuntary movements under conditions of uncertainty.

