

Anton Pashkievich, Ph.D. - Eyetracker in traffic domain research

Eye tracking is a tool to analyse the movement and behaviour of the eyes in the presence of stimulus. With this biometric technique it is possible to register and decode physiological information about the attention and – with the support of other techniques – to provide information related to emotions (surprise or attraction) and cognitive processes. This approach allows to know the eye behaviours creating a possibility to analyse the fixation point of the gaze, the movement of the eyes in relation to the head, and other types of eye movements as well as giving us information about human behaviour in any environment. During the workshop the eye tracker device Tobii Pro Glasses 2 together with Tobii Pro Lab software will be demonstrated presenting its functionalities and discussing the possibilities of its application.