

Assessing prospective memory in young healthy adults using virtual reality

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ABSTRACT

Virtual Reality (VR) is a very relevant tool for the study of complex cognitive functions, such as Prospective Memory (PM; remember to execute an intention at an appropriate time in the future). Thirty-five young subjects performed a PM task while immersed in a virtual city. On a theoretical level, we reached a better characterisation of PM functioning, notably regarding the influence of the link between the “when” and “what” components of PM on performance in event- and time-based PM tasks. This work validates utility of VR in PM assessment and opens perspectives in evaluation and rehabilitation of PM deficits.

Full papers will be published in the Conference Proceedings and will be available to delegates at the conference on Sept. 10.

Full papers will be released on-line in the ICDVRAT archive on March 15.