

Centre de Recherches sur la Cognition et l'Apprentissage

L'invitée du jeudi
8 février 2018

Johanna K. Kaakinen

Département de Psychologie / Turku Institute for Advanced Studies (TIAS)
Université de Turku
Finlande

Fluctuation in reader engagement during expository text reading

Previous research shows that readers' attention to text information is guided by relevance: readers spend extra time and attention is zoomed in on task-relevant text content (Kaakinen & Hyönä, 2014). In recent studies, we have used a novel combination of motion capture methodology and eye tracking to examine how reader engagement fluctuates during reading of task-relevant and irrelevant text segments (Kaakinen, Ballenghein, Tissier & Baccino, in press). The results suggest that relevance induces both momentary (i.e. from one sentence to another) and more sustained changes (i.e. across the whole text) in reader engagement, as indicated by eye movements and postural sway. In ongoing studies, eye movement recordings are combined with motion capture methodology and psychophysiological measurements to examine how emotional reactions induced by the text content influence reader engagement.

Kaakinen, J. K., Ballenghein, U., Tissier, G., & Baccino, T. (in press). Fluctuation in cognitive engagement during reading: Evidence from concurrent recordings of postural and eye movements. *Journal of Experimental Psychology: Learning, Memory & Cognition*.

Kaakinen, J. K., & Hyönä, J. (2014). Task relevance induces momentary changes in the functional visual field during reading. *Psychological science*, 25(2), 626-632.