

**3rd
World
Conference
on Cluttering**

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Photo: Radosław Borsuk / UM Katowice

Invited Talk

Abstract

Shedding light on the brain of people who clutter - Insights from an fNIRS study

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Although cluttering enjoys an increased popularity in international research, there is still a surprising absence of investigation into the neurobiology and neurophysiology of cluttering. Speech motor control and monitoring are essential aspects of cluttering which are connected to the cortical brain areas: anterior cingulate cortex (ACC) and supplementary motor area (SMA). Functional near-infrared spectroscopy (fNIRS) is an inexpensive brain imaging technique which can measure cortical brain activation. That makes it a promising tool to further investigate cluttering in naturalistic communication settings. In this talk, I will present findings from an fNIRS pilot study on neurological correlates in cluttering and discuss potential directions for future research on this topic.