Contribution ID: **71** Type: **Talk**

Morphological processing –the past and future of electrophysiological evidence

Saturday, June 24, 2017 3:20 PM (20 minutes)

Electroencephalography (EEG) and the derived event-related potentials (ERPs) provide an important means to study the time-course of brain functions in high temporal resolution without referring to overt behavioral responses.

This talk will review the available literature on morphological processing with EEG, including studies on the processing of inflections, derivations, and compounds. The overview will describe paradigms that are typically applied in studying morphological effects in the EEG, such as the violation paradigm and masked or overt priming paradigms. The overview will also compare some methods in the analyses of EEG-data. I will link the findings from EEG studies to other neuroimaging techniques (MEG, MRI) and to behavioral data that often provide the basis for models on morphological processing. I will then discuss the outlook for EEG studies in comparison to behavioral or other neuroimaging techniques for the study of morphology.

Primary author: SMOLKA, Eva (Universität Konstanz)

Presenter: SMOLKA, Eva (Universität Konstanz)

Session Classification: Symposium 4 – Morphology and Neuroscience

Track Classification: Symposium 4 – Morphology and Neuroscience