

## Special Issue

# Current Perspectives on Neuroergonomics

### Message from the Guest Editors

Continuous information processing and mental load play an increasingly important role in modern working environments. Until recently, the investigation of task demands with neuroscientific methods had been restricted to laboratory settings. Advances in technologies like mobile EEG or mobile fNIRS, however, now allow for measuring cognitive load in real-life working environments or in simulations that are close to it. In this way, new possibilities emerge to track cognitive processing. These possibilities enable us to re-design working environments and potentially reduce cognitive load. Such ergonomically designed work places could be beneficial for the workers' health and well-being directly and indirectly, as the tracking of mental load could also be used to increase safety, especially in monotonous monitoring activities or piloting. This Special Issue is dedicated to studies on work-related applications of neurocognitive methods. Studies on mental states as well as information processing at work are of interest, as are studies reporting on the development of methods relevant for the field.

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### Guest Editors

Prof. Dr. Edmund Wascher

Dr. Stefan Arnau

Dr. Thorsten Plewan

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### Deadline for manuscript submissions

closed (25 March 2021)



## Brain Sciences

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