

PIE 2004 Papers Titles and Authors

Session 1. Psychophysiology of preparations and anticipation

Pupil diameter changes associated with "anticipation".

John. A. Stern, Kyosuke Fukuda, Timothy Brown, Michael Russo

On the impact of the resting brain DC potential and task preceding ? slow potential shifts (pSPS) on response time and ERPs.

Michael Trimmel, Monika Meixner-Pendleton

Social-psychophysiological compliance predicts teamwork following unexpected changes in task control

Robert Henning, Kristopher Korbela

Effects of cognitive workload on decision accuracy, shooting performance, and cortical activity of soldiers.

Scott E. Kerick, Laurel E. Allender

Session 2: Psychophysiology of task control and cognitive processing

Cardiac control during dual-task performance on visual or auditory monitoring with visual-manual tracking.

Richard W. Backs, Jason Rohdy, Jenell Barnard

Attentional load evaluation through physiological and behavioral measurements in shared attention tasks.

Melanie Morel, Claire Petit, Marie Pierre Bruyas, Andre Chapon, Philippe Deleurance, Daniel Letisserand, Christian Collet

A new system to analyse the event-related brain potential in ergonomics.

Akihiro Yagi, Koji Kazai, Kiyoshi Fujimoto, Atsushi Noritake, Masumi Iwai

Session 3: Psychophysiology and risk assessment

Evaluation of a time warning assistance system in the field through electrodermal response.

Claire Petit, Caroline Etheve, Christian Collet

Influence of electromagnetic fields of the TETRA communication system on bioelectrical brain activity of healthy participants.

Gabriele Freude, Peter Ullsperger, Udo Erdmann, Siegfried Eggert

Physiological reactions to acute fatigue in students and employees with burnout complaints.

Ingrid J. T. Veldhuizen, Anthony W. K. Gaillard

Positive and negative performance states: The psychophysiology of threat and challenge.

Louise Venables, Stephen H. Fairclough

Computer assisted influence of cardiac afferent input on heart-brain synchronization and cognitive performance under emergency conditions

Ioannis Tarnanas