Sunday, October 10

Sunday, 10:00 AM-12:00 PM
Hall Machado/Picasso

Symposium 16

Applied psychophysiology: How can physiological measures help us avoid vehicular accidents?
   Chair: John A. Stern
   Washington University

Relationship between personal state ratings and eyeblink parameters recorded with contact-free infrared sensor
   P. Caffier, P. Ullsperger, & U. Erdmann
   Federal Institute for Occupational Safety and Health

Saccadic and eyelid movement parameters detected by EOG as signs of fatigue
   N. Galley & L. Galley
   University of Koeln

Operative value of EEG recording during driving simulation
   A. Muzet, T. Pebayle, & J. Roge
   CEPA - CNRS

Drivers ANS activity during emergency braking situations
   C. Petit & A. Priez
   Renault Research Department

Electrodermal tonic level variations associated with thermo-vascular and cardio-respiratory recordings as reliable indices for the detection of drowsiness in automobile drivers
   C. Collet, G. Delhomme, A. Dittmar, S. Khardi, & E. Vernet-Maury
   Universite Claude Bernard

Discussant: John A. Stern
Washington University
Symposium 17

Determining spatial and temporal components of the brain dynamics
Chair: Olivier Bertrand
INSERM U280

Combined use of MEG and fMRI
Risto Ilmoniemi, Antti Korvenoja, & Hannu J. Aronen
Helsinki University Central Hospital

FMRI constrained source analysis: A new approach to the brain dynamics underlying deviancy and novelty processing
Axel Mecklinger & Bertram Opitz
Max-Planck-Institute of Cognitive Neuroscience

Independent components of early visual event-related brain dynamics
Scott Makeig\textsuperscript{1,2}, Jeanne Townsend\textsuperscript{2}, Tzvy-Ping Jung\textsuperscript{3}, & Terrence J. Sejnowski\textsuperscript{2,3}
\textsuperscript{1}Naval Health Research Center, San Diego, \textsuperscript{2}University of California, San Diego, \textsuperscript{3}Howard Hughes Medical Institute and The Salk Institute

Another approach to brain functions, another view to EEG: Gamma oscillations
Olivier Bertrand, Catherine Tallon-Baudry, Minna Huotilainen, Catherine Fischer, & Jacques Pernier
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