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**Poster Session I: Thursday, October 7**

1. **Finger motor tremor and its relation to EEG activity**  
William J. Ray, Robert Simon, Adam Blai, & Semyon Slobounow  
*Penn State University*
2. **EEG coherence and phase angle measures in relation to anxiety**  
Adam Blai, William Ray, & Tom Borkovec  
*Penn State University*
3. **Placebo effect in processing laboratory stress: The electrodermal (EDR), heart rate, and EEG responses**  
Elizabeth K. Shott<sup>1</sup>, Dmitry M. Davydov<sup>2</sup>, & Nadezhda N. Lysenko<sup>1</sup>  
<sup>1</sup>*Lomonosov Moscow State University,*  
<sup>2</sup>*Serbysky National Research Center for Social & Forensic Psychiatry*
4. **False recognition, emotion, and the ERP**  
Heather E. McNeely<sup>1</sup>, Jane Dywan<sup>2</sup>, & Sidney J. Segalowitz<sup>2</sup>  
<sup>1</sup>*University of Waterloo,* <sup>2</sup>*Brock University*
5. **Internal consistency and test-retest stability of resting EEG alpha symmetry in major depression**  
Heather L. Urry, Sabrina K. Hitt, & John J.B. Allen  
*University of Arizona*
6. **Heritability of frontal alpha asymmetry**  
Suzanne MacDhommhail<sup>1</sup>, John J.B. Allen<sup>1</sup>, Joanna Katsanis<sup>1</sup>, & William G. Iacono<sup>2</sup>  
<sup>1</sup>*University of Arizona,* <sup>2</sup>*University of Minnesota*
7. **What the P300 does not know: No compelling evidence of differences between true and false memories in the Deese paradigm**  
Ralf Mertens & John J.B. Allen  
*University of Arizona*
8. **Scaled P300 distributions specific for deception in an autobiographical oddball paradigm**  
J. P. Rosenfeld, A. Rao, M. Soskins, & A. Reinhart-Miller  
*Northwestern University*

9. **P300 amplitude and topography distinguish between honest performance and feigned amnesia in an autobiographical oddball task**  
Antoinette Reinhart-Miller, J. Peter Rosenfeld, Matt Soskins, & Marianne Jhee  
*Northwestern University*
10. **The case for peak-to-peak measurement of P300 recorded at .3 Hz high pass filter settings in intraindividual diagnosis of deception**  
Matthew Soskins, J. Peter Rosenfeld, & Tara Niendam  
*Northwestern University*
11. **Event-related potentials to acute increases in airflow obstruction in children and young adults**  
Alyson Boppel & Andrew Harver  
*University of North Carolina at Charlotte*
12. **A decrease in ERP amplitude during fast habituation is not related to increased single trial variability in the time domain**  
Michael P. Santa Maria, Margaret Starick, Colleen M. Specht, Michael C. Podkulski, & David W. Shucard  
*State University of New York at Buffalo*
13. **ERPs and categorization of novel stimuli during auditory and visual continuous performance tasks**  
Danielle C. McCabe, Janet L. Shucard, & David W. Shucard  
*State University of New York at Buffalo*
14. **Auditory and visual P300 in men and women: Within- and between- session stability**  
Connie C. Duncan<sup>1,2</sup>, Frances H. Gabbay<sup>1,2</sup>, & Allan F. Mirsky<sup>2</sup>  
<sup>1</sup>*Uniformed Services University of the Health Sciences*, <sup>2</sup>*National Institute of Mental Health Intramural Research Program*
15. **Sex differences in amphetamine effects on the P300 elicited in an auditory novelty oddball task**  
Frances H. Gabbay<sup>1,2</sup>, Connie C. Duncan<sup>1,2</sup>, & Allan F. Mirsky<sup>2</sup>  
<sup>1</sup>*Uniformed Services University of the Health Sciences*, <sup>2</sup>*National Institute of Mental Health Intramural Research Program*

16. **Visual event-related potentials during perceptual switches of ambiguous and unambiguous dynamic motion patterns: A single sweep analysis**  
Daniel Strueber, Claus Jacobs, Michael Stadler, & Canan Basar-Eroglu  
*University of Bremen*
17. **Amplitude decrease of event-related potentials in high-rate switchers during viewing of a reversal pattern**  
Edwin Hoff, Canan Basar-Eroglu, Michael Stadler, & Daniel Strueber  
*University of Bremen*
18. **Neuroelectrical signs of visual selective attention in boys with attention-deficit hyperactivity disorder**  
Odin van der Stelt, W. Boudewijn Gunning, Jan Snel, & Albert Kok  
*University of Amsterdam*
19. **Sensory brain areas are involved in non-spatial intermodal attention: Evidence from event-related potentials**  
Durk Talsma & Albert Kok  
*University of Amsterdam*
20. **Age effects on the response mode in a mental-rotation task**  
Guido P.H. Band, Gordon Phillips, & Albert Kok  
*University of Amsterdam*
21. **Performance data and error negativity in a modified Eriksen task**  
Martin Elton  
*University of Amsterdam*
22. **Nogo N2 and P3 elicited in a visual stop-signal paradigm**  
Albert Kok<sup>1</sup>, Michiel B. de Rooter<sup>1</sup>, Guido P.H. Band<sup>1</sup>, & Jaap C. Woestenburg<sup>2</sup>  
<sup>1</sup>*University of Amsterdam*, <sup>2</sup>*Free University*
23. **A response alternation-related ERP component as a neural correlate for benefit-only patterns in serial reaction times**  
Ines Jentsch & Werner Sommer  
*Humboldt-University of Berlin*

24. **Localizing sequential effects within the information processing system: A chronometrical LRP study**  
Werner Sommer & Ines Jentsch  
*Humboldt-University of Berlin*
25. **Cortical indices of saccade planning following covert orienting in 20-week-old infants**  
John E. Richards  
*University of South Carolina*
26. **An ERP study of the response inhibition processing in Eriksen's cognitive conflict task**  
Nobuyoshi Iwaki, Makoto Miyatani, & Tamotsu Toshima  
*Hiroshima University*
27. **Comparison within subjects of two prefrontally generated ERPs: Contingent negative variation (CNV) and error-related negativity (ERN)**  
Patricia L. Davies<sup>1</sup>, Patricia E. Pailing<sup>2</sup>, Sidney J. Segalowitz<sup>3</sup>, & Jane Dywan<sup>3</sup>  
<sup>1</sup>*SUNY at Buffalo*, <sup>2</sup>*University of Waterloo*, <sup>3</sup>*Brock University*
28. **Error-related negativity (ERN) and impulsive responding**  
Patricia E. Pailing<sup>1</sup>, Patricia L. Davies<sup>2</sup>, Sidney J. Segalowitz<sup>3</sup>, & Jane Dywan<sup>3</sup>  
<sup>1</sup>*University of Waterloo*, <sup>2</sup>*SUNY at Buffalo*, <sup>3</sup>*Brock University*
29. **The Contingent Negative Variation early wave in migraine patients**  
Elles J.C.M. Mulder & Eco J.C. de Geus  
*Vrije Universiteit, Amsterdam*
30. **The concept of effort and the late contingent negative variation (ICNV)**  
Michael Falkenstein, Joachim Hohnsbein, & Jörg Hoormann  
*Institut für Arbeitsphysiologie*
31. **Negative cortical DC shifts associated with coordination and control in a prehensile force task**  
Matthew P. Rearick & Semyon M. Slobounov  
*Pennsylvania State University*

- 32. Brain DC potentials of mental load under hyperbaric environmental conditions and relationship to power-of-concentration**  
Michael Trimmel, Alexander Burisch, & Christina Brizic  
*University of Vienna, Institute of Environmental Hygiene*
- 33. Brain DC potentials and set size of memory scanning**  
Michael Trimmel & Doris Eichhorn  
*University of Vienna, Institute of Environmental Hygiene*
- 34. Enhanced classification and SCP-feedback methods used for communication with the Thought Translation Device**  
Thilo Hinterberger, J. Kaiser, B. Kotchoubey, A. Kuebler, N. Neumann, J. Perelmouter, & N. Birbaumer  
*University of Tübingen*
- 35. Cognitive and electrophysiological strategies to communicate using the Thought Translation Device**  
Andrea Kuebler<sup>1</sup>, Nimr Ghanayim<sup>1</sup>, Thilo Hinterberger<sup>1</sup>, Jochen Kaiser<sup>1</sup>, Boris Kotchoubey<sup>1</sup>, Nicola Neumann<sup>1</sup>, Jouri Perelmouter<sup>1</sup>, & Niels Birbaumer<sup>1,2</sup>  
<sup>1</sup>*University of Tübingen, <sup>2</sup>University of Padova*
- 36. Is the ability to control one's own slow cortical potentials a stable skill?**  
Nicola Neumann<sup>1</sup>, Boris Kotchoubey<sup>1</sup>, Nimr Ghanayim<sup>1</sup>, Thilo Hinterberger<sup>1</sup>, Jochen Kaiser<sup>1</sup>, Andrea Kuebler<sup>1</sup>, Jouri Perelmouter<sup>1</sup>, & Niels Birbaumer<sup>1,2</sup>  
<sup>1</sup>*University of Tübingen, Germany, <sup>2</sup>University of Padova, Italy*
- 37. Arousal sensitive slow wave in high density EEG**  
Markus Junghoefer<sup>1</sup>, William M. Perlstein<sup>1</sup>, Thomas Russmann<sup>1</sup>, John C. May<sup>1</sup>, Bruce Cuthbert<sup>2</sup>, Margaret M. Bradley<sup>1</sup>, & Peter J. Lang<sup>1</sup>  
<sup>1</sup>*University of Florida, <sup>2</sup>National Institute of Mental Health*

- 38. Functional activity in visual cortex: Pleasure and arousal**  
Dean Sabatinelli<sup>1</sup>, Margaret M. Bradley<sup>1</sup>,  
Wayne M. King<sup>1</sup>, Paramtap Desai<sup>1</sup>,  
Jeffrey R. Fitzsimmons<sup>1</sup>, Bruce N.  
Cuthbert<sup>2</sup>, & Peter J. Lang<sup>1</sup>  
*<sup>1</sup>University of Florida, <sup>2</sup>National Institute  
of Mental Health*
- 39. 100 milliseconds to see what it means: MEG evidence for early semantic differences in word recognition**  
Ramin Assadollahi, Thomas Elbert, &  
Friedemann Pulvermueller  
*University of Konstanz*
- 40. Electrocortical correlates of action words**  
Markus Haerle, Friedhelm Hummel, &  
Friedemann Pulvermueller  
*University of Konstanz*
- 41. Operant conditioning of slow cortical potentials and word processing: Evidence from normals and aphasic patients**  
Bettina Mohr, Friedemann Pulvermueller,  
Hans Schleicher, & Ralf Veit  
*University of Konstanz*
- 42. Increased processing demands during target error detection on the computerized Token Test**  
Ryan C.N. D'Arcy & John F. Connolly  
*Dalhousie University*
- 43. Neuropsychological assessment of receptive vocabulary and comprehension with event-related brain potentials**  
John F. Connolly, Ryan C.N. D'Arcy,  
Alma M. Major, Sheri L. Allen, Gail A.  
Eskes, & Stephen J. Phillips  
*Dalhousie University*
- 44. Event resolution imaging: Overcoming the limitations of signal averaging in ERP research**  
Randy Lynn Newman<sup>1</sup>, John F. Connolly<sup>1</sup>,  
Ryan D'Arcy<sup>1</sup>, D. Cook<sup>2</sup>, & N. Cook<sup>2</sup>  
*<sup>1</sup>Dalhousie University, <sup>2</sup>Thoughtform  
Research Institute*

- 45. Event-related potential correlates of verbal and pictorial feature comparison in aphasics and controls**  
Christian Dobel<sup>1</sup>, Rudolf Cohen<sup>1</sup>, Patrick Berg<sup>1</sup>, Brigitte Rockstroh<sup>1</sup>, Peter Koebbel<sup>2</sup>, & Paul-Walter Schoenle<sup>2</sup>  
<sup>1</sup>University of Konstanz, <sup>2</sup>Schmieder Rehabilitation Hospital, Allensbach, Germany
- 46. Comprehension and rhyming in aphasics and controls: An event-related potential study**  
Christian Dobel<sup>1</sup>, Rudolf Cohen<sup>1</sup>, Elvira Zobel<sup>1</sup>, Olaf Hauk<sup>1</sup>, Patrick Berg<sup>1</sup>, Brigitte Rockstroh<sup>1</sup>, Peter Koebbel<sup>2</sup>, & Paul-Walter Schoenle<sup>2</sup>  
<sup>1</sup>University of Konstanz, <sup>2</sup>Schmieder Rehabilitation Hospital, Allensbach, Germany
- 47. ERPs and language processing without active task**  
Simone Lang  
University of Tuebingen
- 48. Comparison between the Fourier and Wavelet methods of spectral analysis applied to stationary and non-stationary heart period data**  
Jan H. Houtveen & Peter C.M. Molenaar  
University of Amsterdam
- 49. Comparison of time- and frequency-domain analysis of heart rate variability during ambulatory registration**  
Tanja Vrijkotte, Tamara Snaar, Claire Bernards, & Eco de Geus  
Vrije Universiteit
- 50. Ambulatory heart rate is underestimated when measured by Ambulatory Blood Pressure device**  
Tanja Vrijkotte & Eco de Geus  
Vrije Universiteit
- 51. Cardiac autonomic balance during sleep as a function of chronic work stress**  
Tanja Vrijkotte<sup>1</sup>, Harriette Riese<sup>1</sup>, Lorenz van Doornen<sup>2</sup>, & Eco de Geus<sup>1</sup>  
<sup>1</sup>Vrije Universiteit, <sup>2</sup>Utrecht University
- 52. Ambulatory blood pressure monitoring is associated with reduced physical activity during every day life**  
Marco Costa<sup>1</sup>, Andrew Steptoe<sup>2</sup>, Mark

Cropley<sup>2</sup>, & Jayne Griffiths<sup>2</sup>

<sup>1</sup>University of Bologna, <sup>2</sup>University of London, St. George's Hospital Medical School

- 53. Heartbeat detection and quadratic trend analysis**  
Stefan Wiens, Stephen N. Palmer, Theresa V. Eads, Charles J. Borrero, & Edward S. Katkin  
*State University of New York at Stony Brook*
- 54. An adaptive measure of heartbeat detection**  
Stefan Wiens, Stephen N. Palmer, Christine Zitzelberger, Heather Cohn, David S. Emmerich, & Edward S. Katkin  
*State University of New York at Stony Brook*
- 55. Heartbeat sensitivity: Effects of the individual determination of S+ and S-**  
Joaquín Pegalajar Chica & Alberto Acosta Mesas  
*University of Granada*
- 56. Heartbeat detection throughout the task: Deterioration in performance as the number of test trials increases**  
Alberto Acosta Mesas & Joaquín Pegalajar Chica  
*University of Granada*
- 57. Testing cardiac perception in subjects with high cardiovascular reactivity**  
P. Quirós & G. Grzib  
*Universidad Nacional de Educación a Distancia, Madrid*
- 58. Interaction of baroreceptor sensitivity and respiration**  
C. Briales, G. Grzib, & P. Quiros  
*Universidad Nacional de Educación a Distancia, Madrid*
- 59. Self-control of baroreceptor cardiac reflex sensitivity**  
Maria Isabel González Jareño & Gustavo A. Reyes del Paso  
*Universidad de Jaen*
- 60. Baroreflex sensitivity during cognitive tasks**  
Ina N. Daniels & Jules P. Harrell  
*Howard University*

61. **Shared and simple effects of determinants of mean arterial pressure during handgrip and mirror tracing tasks**  
Leah J. Floyd & Jules P. Harrell  
*Howard University*
62. **Hemodynamic responses to mirror tracer and handgrip: Another look**  
Leah J. Floyd & Jules P. Harrell  
*Howard University*
63. **Cardiovascular incentive effects as a function of the fixedness of a behavioral challenge**  
Dipti Nene & Rex Wright  
*University of Alabama at Birmingham*
64. **Cardiovascular response to energising and relaxing imagery**  
Stephen H. Boutcher<sup>1</sup>, Thomas A.F. Cloke<sup>2</sup>, & Paul W. Franks<sup>1</sup>  
<sup>1</sup>*De Montfort University*, <sup>2</sup>*University of Exeter*
65. **Cardiovascular response of pre-teenage boys to mental challenge**  
Paul W. Franks & Stephen H. Boutcher  
*De Montfort University*
66. **Task coping and tonic heart rate: Application of the run/edit hypothesis to figural, two-dimensional task material**  
Tytus Sosnowski & Joanna Roguska  
*University of Warsaw*
67. **Secretory immunoglobulin A and cardiovascular reactions to mental arithmetic, cold pressor and exercise: Effects of beta-adrenergic blockade**  
Alexandra Winzer, Christopher Ring, Douglas Carroll, Gonneke Willemsen, Mark Drayson, & Martin Kendall  
*University of Birmingham*
68. **Secretory immunoglobulin A and cardiovascular reactions to mental arithmetic, cold pressor and exercise: Effects of alpha-adrenergic blockade**  
Lesley Harrison, Alexandra Winzer, Christopher Ring, Douglas Carroll, Gonneke Willemsen, Mark Drayson, & Martin Kendall  
*University of Birmingham*

69. **Cardiovascular responses and performance to mental arithmetic tasks with and without verbal presentation of results**  
Stephan Bongard  
*Johann Wolfgang Goethe-University  
Frankfurt am Main*
70. **Relationships between sustained attention, total cholesterol and cardiovascular control**  
Anita C. Volkers, Joke H.M. Tulen,  
Walter W. van den Broek, Jan Passchier,  
& Lolke Peppinkhuizen  
*University Hospital Rotterdam-Dijkzigt*
71. **Attentional modulation of cardiac defense: External versus internal mechanisms**  
Isabel Ramirez, Nieves Perez, Maria Sanchez, & Jaime Vila  
*University of Granada*
72. **Pre-attentional modulation of the cardiac defense response in phobic subjects**  
Elisabeth Ruiz, Jose Luis Mata, Isabel Ramirez, M. Carmen Fernandez, & Jaime Vila  
*University of Granada*
73. **Differential habituation effects of affective pictures on cardiac defense and eyeblink startle**  
Jaime Vila<sup>1</sup>, M. Carmen Fernandez<sup>1</sup>, Isabel Ramirez<sup>1</sup>, Margaret Bradley<sup>2</sup>, & Peter Lang<sup>2</sup>  
*<sup>1</sup>University of Granada, <sup>2</sup>University of Florida*
74. **Fear potentiation of cardiac defense: Underlying mechanisms**  
Maria Sanchez, Isabel Ramirez,  
Maria Carmen Fernandez, & Jaime Vila  
*University of Granada*
75. **The James vs Cannon debate on emotion revisited: Startle and autonomic modulation in patients with spinal cord injuries**  
Pilar Cobos<sup>1</sup>, Francisca Rius<sup>1</sup>, Carmen Garcia-Berdones<sup>1</sup>, Isabel Ramirez<sup>2</sup>, & Jaime Vila<sup>2</sup>  
*<sup>1</sup>University of Malaga, <sup>2</sup>University of Granada*

- 76. Anxiety and psychophysiological response in a normal sample**  
M.C. Pastor<sup>1</sup>, R. Poy<sup>1</sup>, P. Segarra<sup>1</sup>, M.P. Tormo<sup>1</sup>, S. Montañés<sup>1</sup>, J. Moltó<sup>1</sup>, & J. Vila<sup>2</sup>  
*<sup>1</sup>Jaume I University, <sup>2</sup>Granada University*
- 77. Tooth grinding and clenching while watching movies: Masseter EMG response patterns of bruxist patients under cognitive and affective stress conditions**  
Christine Schneider, Ralf Schaefer, Claudia Lange-Merfeld, Sandra Spliethoff, Michelle Ommerborn, Rolf Müllejans, Wolfgang Raab, & Matthias Franz  
*University of Duesseldorf*
- 78. Effects of taste and imagery on facial EMG activity**  
Kathleen A. McChesney & Senqi Hu  
*Humboldt State University*
- 79. Facial EMG is associated with taste palatability**  
Senqi Hu & Kathleen A. McChesney  
*Humboldt State University*
- 80. An ERP compatible fear potentiated startle paradigm**  
Koen B.E. Böcker, Joke M.P. Baas, Daniel X. Dekker, J Leon Kenemans, & Marinus N. Verbaten  
*Utrecht University*
- 81. Modulation of startle and P300 amplitudes in an experimental model for anxiety**  
Joke M.P. Baas, Koen B.E. Böcker, Frederik Mijnhardt, J. Leon Kenemans, & Marinus N. Verbaten  
*Utrecht University*
- 82. Semantic generalization of fear potentiated startle?**  
Almut I. Weike, Harald T. Schupp, Heino K. Mohrmann, & Alfons O. Hamm  
*University of Greifswald*
- 83. Emotion and attention: High density ERP recordings during picture processing**  
Harald T. Schupp, Jessica Stockburger, Almut Weike, Heino K. Mohrmann, & Alfons O. Hamm  
*University of Greifswald*

84. **Self-disclosure in clinically depressed individuals: The effect on autonomic measures**  
Sabrina K. Hitt & John J.B. Allen  
*University of Arizona*
85. **Approach/withdraw motivational states, emotion, and facial feedback**  
James A. Coan<sup>1</sup>, John J.B. Allen<sup>1</sup>, & Eddie Harmon-Jones<sup>2</sup>  
<sup>1</sup>*University of Arizona*, <sup>2</sup>*University of Wisconsin*
86. **EEG trait asymmetry and affective style I: The latent state and trait structure of resting asymmetry scores**  
Dirk Hagemann, Ewald Naumann, Alexander Luerken, & Dieter Bartussek  
*Universitaet Trier*
87. **EEG trait asymmetry and affective style II: The latent state and trait structure of affective reactivity scores**  
Dirk Hagemann, Ewald Naumann, Alexander Luerken, & Dieter Bartussek  
*Universitaet Trier*
88. **EEG trait asymmetry and affective style III: The associations between the latent traits of resting asymmetry and affective reactivity scores**  
Dirk Hagemann, Ewald Naumann, Alexander Luerken, & Dieter Bartussek  
*Universitaet Trier*
89. **The effect of playing violent computer games on physiological arousal, anxiety and hostility**  
Patrícia Arriaga Ferreira, Maria Paula Carneiro, Lurdes Miguéis, Sandra Soares, & Francisco Esteves  
*Universidade Lusófona de Humanidades e Tecnologias, Lisboa*
90. **Making speeded valence decisions about emotional pictures**  
Steve Nitch & Paul Haerich  
*Loma Linda University*
91. **Computer detection of frustration episodes in users via Hidden Markov Models**  
Raul Fernandez & Rosalind W. Picard  
*Massachusetts Institute of Technology*

- 92. Offline and online computer recognition of emotion expression**  
Elias Vyzas & Rosalind W. Picard  
*Massachusetts Institute of Technology*
- 93. Nonconscious affective priming and facial EMG**  
M. Rotteveel, P. de Groot, & R.H. Phaf  
*University of Amsterdam*
- 94. Emotional expression and suppression as challenge and threat**  
Wendy Berry Mendes<sup>1</sup>, Mark D. Seery<sup>1</sup>,  
Jim Blascovich<sup>1</sup>, & Harry Reis<sup>2</sup>  
<sup>1</sup>*University of California, Santa Barbara*,  
<sup>2</sup>*University of Rochester*
- 95. Has anger 1000 faces? - How consistent are the facial EMG patterns of different methods to elicit facial anger expression of varying intensities?**  
Claudia Rolko<sup>1</sup>, Jan Eichstaedt<sup>1</sup>, Gisela Dahme<sup>1</sup>, & Bernhard Dahme<sup>2</sup>  
<sup>1</sup>*Universitaet der Bundeswehr Hamburg*,  
<sup>2</sup>*Universitaet Hamburg*
- 96. Facial expressions during dyadic interactions: The use of EMG to investigate the influence of status and emotional state**  
Ursula Hess, Pedro Herrera, & Patrick Bourgeois  
*University of Quebec at Montreal*
- 97. Emotional reactions to political leaders facial displays: A replication**  
Patrick Bourgeois & Ursula Hess  
*University of Quebec at Montreal*
- 98. The effects of emotional and attentional processing on startle reflex modulation at long lead intervals**  
Andrea R. Adam & Ottmar V. Lipp  
*University of Queensland*
- 99. Sooner or later: Affective modulation of startle using word prepulses**  
Simone M. Baker-Tweney & Ottmar V. Lipp  
*The University of Queensland*

- 100. The effect of lead stimulus modality change on acoustic blink reflexes**  
Ottmar V. Lipp<sup>1</sup>, David A.T. Siddle<sup>2</sup>, & Patricia Dall<sup>1</sup>  
<sup>1</sup>University of Queensland, <sup>2</sup>University of Sydney
- 101. Attentional modulation of the startle reflex: A comparison of passive and active attention**  
Alanda K. Thompson & Ottmar V. Lipp  
University of Queensland
- 102. Stress reactivity and selective attention to emotional stimuli: Adaptive and maladaptive mechanisms of coping with acute stress**  
Mark A. Ellenbogen & Alex E. Schwartzman  
Centre for Research in Human Development, Concordia University
- 103. Age-related differences in the antisaccade task**  
Sander Nieuwenhuis, Richard K. Ridderinkhof, Maurits W. van der Molen, & Albert Kok  
University of Amsterdam
- 104. Palate plethysmography and the orienting response**  
Jason E. Reiss & Robert F. Simons  
University of Delaware
- 105. Temporal and hierarchical organization of the ventral and dorsal visual systems as measured with ERP**  
Manuel Martin-Loeches, Jose A. Hinojosa, & Francisco J. Rubia  
Pruridisciplinary Institute, UCM
- 106. Functional analysis of event-related brain potentials related to color processing**  
Peter Klaver<sup>1</sup>, Henderikus G. O. M. Smid<sup>2</sup>, & Hans-Jochen Heinze<sup>1</sup>  
<sup>1</sup>Otto-von-Guericke University Magdeburg, <sup>2</sup>University of Groningen
- 107. Electrophysiological indices of visual spatial attention obtained with the dense array Geodesic Sensor Net**  
Eduardo Madrid<sup>1</sup>, Pío Tudela<sup>2</sup>, & Juan Lupiáñez<sup>2</sup>  
<sup>1</sup>University of Oregon, <sup>2</sup>University of Granada

- 108. Temporal dynamic of alpha and beta bands during visual spatial attention**  
Manuel Vazquez, Carlos Gomez, Encarna Vaquero, & Maria Jesus Cardoso  
*University of Sevilla*
- 109. Event-related potentials and functional neuroimaging of the cocktail party phenomenon: Early and late ERP component analysis**  
Janet L. Shucard, David W. Shucard, Ralph H. Benedict, Danielle C. McCabe, & Alan H. Lockwood  
*State University of New York at Buffalo*
- 110. Event-related desynchronization of the EEG and MEG reveals modality-specificity in the organization of anticipatory behaviour**  
Marcel C.M. Bastiaansen<sup>1</sup>, Onno Romijn<sup>2</sup>, Koen B.E. Böcker<sup>3</sup>, & Cornelis H.M. Brunia<sup>2</sup>  
*<sup>1</sup>Tilburg University, <sup>2</sup>Utrecht University*
- 111. The dissociation of late Nd from early Nd with a dual-task**  
Anthony B. Singhal, Paul Doerfling, & Barry Fowler  
*York University*
- 112. ERP effects of attentional training and stimulus congruity in the Stroop task**  
Merav Sabri<sup>1</sup> & Robert D. Melara<sup>2</sup>  
*<sup>1</sup>University of Ottawa, <sup>2</sup>Purdue University*
- 113. Behavioral and ERP effects of attentional competition, training, and transfer in auditory selective attention tasks**  
Robert D. Melara<sup>1</sup>, Aparna Rao<sup>2</sup>, & Yunxia Tong<sup>1</sup>  
*<sup>1</sup>Purdue University, <sup>2</sup>St. Cloud State University*
- 114. An ERP investigation into the neural basis of category-specific knowledge**  
Ray Johnson, Jr., J. Michael Schmidt, Jack Barnhardt, Chanpreet Singh, & John Zhu  
*Queens College/CUNY*
- 115. An ERP investigation into the neural basis of face processing and recognition**  
Ray Johnson, Jr., Jack Barnhardt, J. Michael Schmidt, Chanpreet Singh, & John Zhu  
*Queens College/CUNY*

- 116. Differential effects of aging on encoding and processing of object/spatial stimuli in a modified two-back task**  
Emily Wee & Monica Fabiani  
*University of Missouri-Columbia*
- 117. Working memory and affective picture processing: A 128-channel ERP analysis**  
William M. Perlstein<sup>1,2</sup>, Thomas Russmann<sup>1</sup>, Markus Junghoefer<sup>1</sup>, John C. May<sup>1</sup>, Candice Mills<sup>1</sup>, Margaret M. Bradley<sup>1</sup>, & Peter J. Lang<sup>1</sup>  
<sup>1</sup>University of Florida, <sup>2</sup>University of Pittsburgh
- 118. Repetition priming of possible and impossible objects: An ERP perspective**  
Yael M. Cykowicz & David Friedman  
*New York State Psychiatric Institute*
- 119. ERP repetition effects for familiar and unfamiliar novel visual symbols**  
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<sup>1</sup>*Westmead Hospital, Sydney*, <sup>2</sup>*University of Wollongong*, <sup>3</sup>*University of Sydney*, <sup>4</sup>*Institute of Psychiatry, London*
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