Saturday, October 5
Poster Session III

1. **Tursky Award Winner**

2. **Tursky Award Winner**

3. **Tursky Award Winner**

4. **Caffeine reduces the affect startle effect**
   Ottmar V. Lipp & Pearl Y. Martin
   University of Queensland

5. **Don't look back to anger: Inhibited to return to emotion**
   Naz Derakshan[1], Moshe Feldman[1], Tom Campbell[2], & Ottmar Lipp[3]
   [1]University of Leeds, [2]Cognitive and Brain Sciences Unit, Finland, [3]University of Queensland

6. **The effects of music presence and pacing on listener physiological arousal**
   Robert F. Potter, Francesca Carpentier, Jinhee Kim, Jinmyung Choi, & Hong-sik Yu
   University of Alabama, Tuscaloosa

7. **Increased memory for structurally complex radio messages: Could arousal be the mechanism?**
   Robert F. Potter, Jinmyung Choi, Hong-sik Yu, Jinhee Kim, & Francesca Carpentier
   University of Alabama, Tuscaloosa

8. **The role of self-relevance in arousal elicited by anti-drug PSAs in adolescents and college students**
   Annie Lang, T. Makana Chock, Mija Shin, Yongkuk Chung, Seungwhan Lee, & Samuel D. Bradley
   Indiana University

9. **Processing anti-drug public service announcements: Production pacing, arousing content, and adolescence**
Annie Lang, Yongkuk Chung, Seungwhan Lee, Nancy Schwartz, & Mija Shin
Indiana University

10. **Fear factor: The effect of imagery in high fear radio public service announcements**
Paul D. Bolls & Katie Clark
Washington State University

11. **Effects of text and animated graphics in television news stories on viewer attention, arousal and memory**
Julia R. Fox[1], Annie Lang[1], Yongkuk Chung[1], Seungwhan Lee[1], Nancy Schwartz[1], Leah Haverhals[1], Zheng Wang[1], Samuel D. Bradley[1], & Deborah Potter[2]
[1]Indiana University, [2]NewsLab

12. **Feeling-of-knowing and feeling-of-not-knowing: An event-related fMRI study on metamemory**
Jing Luo[1], Kazuhisa Niki[2], & Yue-Jia Luo[1]
[1]Institute of Psychology, Chinese Academy of Sciences, [2]Neuroscience Research Institute, AIST

13. **Comparison of baroreflex sensitivity estimates from inter-systolic interval and ECG R-spike**
G.A. Reyes del Paso, J.A. Hernández, & M.I. González
Universidad de Jaén

14. **Cardiovascular reactivity in college students with physical symptoms**
Karen S. Quigley[1] & Melissa D. Olivadoti[2]
[1]University of Medicine & Dentistry of New Jersey, [2] Pennsylvania State University

15. Noncontact assessment of cardiovascular activity using laser Doppler vibrometry

John W. Rohrbaugh[1], Robert R. Rice[2], Erik J. Sirevaag[1], & Andrew H. Ryan[3]
[1]Washington University School of Medicine, [2]The Boeing Company, [3]Department of Defense Polygraph Institute

16. Parsing effects of affective stimulus content on startle reflex modulation in men

Edward Bernat, Christopher J. Patrick, Stephen Benning, Daniel Blonigen, & Brian Hicks
University of Minnesota

17. Effects of affective content and intensity on startle blink and ERP in women

Edward Bernat, Christopher Patrick, Benjamin Steffen, & Sarah Sass
University of Minnesota

18. Effects of negative affective priming and physiological reactivity on laboratory aggression

Edelyn Verona & Michele Pole
Kent State University

19. Reduced P300 and externalizing: Evidence for genetic mediation

Christopher Patrick, Stephen M. Malone, Edward Bernat, Brian Hicks, Robert Krueger, & William G. Iacono
University of Minnesota

20. Linear and nonlinear effects of smoking/ nicotine on human EEG assessed using dense-array technology

Estate M. Sokhadze[1], Michael E. Houlihan[2], Walter S. Pritchard[3,1], Thomas D. Guy[3], & John H. Robinson[3,1]
[1]Wake Forest University-School of Medicine, [2]Arcadia University, [3]R. J. Reynolds Tobacco Co.

21. Effects of smoking/nicotine and response complexity on ERPs

Estate M. Sokhadze[1], Michael E. Houlihan[2], Walter S. Pritchard[3,1], Thomas D. Guy[3], & John H. Robinson[3,1]
[1]Wake Forest University-School of Medicine, [2]Arcadia University, [3]R. J. Reynolds Tobacco Co.

22. Countermeasures(CMs) to P300-based detection of deception

J. Peter Rosenfeld, Matthew Soskins, Joanna Blackburn, & Ann Mary Robertson
Northwestern University

23. Response-specific scalp distributions in deception detection and ERP correlates of psychopathy

Antoinette Reinhart Miller[1] & J. Peter Rosenfeld[2]
[1]Clayton College & State University, [2]Northwestern University

24. Alcohol & the Stroop task: Examining the role of cognitive control

John J. Curtin & Brad A. Fairchild
University of Wisconsin-Madison

25. Alcohol and error related negativity: A test of the response conflict resolution theory

John J. Curtin, Brad A. Fairchild, & Daniel A. Green
University of Wisconsin-Madison

26. Cortical source analysis of ERP of individual participants in psychophysiological experiments

John E. Richards
University of South Carolina

27. Effects of medial temporal lobe excisions on novelty P3 amplitude and scalp distribution

David Friedman[1], Doreen Nessler[1], & Marla Hamberger[2]
[1]New York Psychiatric Institute, [2]Epilepsy Center, Neurological Institute

28. The effect of cross-modal repetition on the novelty P3

Yael M. Cycowicz, David Friedman, & Isabel Dziobek
New York Psychiatric Institute

29. ERPs reflecting problem difficulty in an arithmetic task

M. Isabel Nuñez & M. Luisa Honrubia
University of Barcelona

30. Evaluation of the dependencies between emotional and bioelectrical immaturity in military pilot candidates

Janina Maciejczyk, Stanislaw Dec, & Jan Miszczak
Polish Air Force Institute of Aviation Medicine

31. Memory encoding failure in Alzheimer's disease: Neurobiological evidence

Judith M. Ford, Jessica Lee, Jennifer Keller, & Nusha Askari
Stanford University

32. Sex differences in ERP measures of attentional resources

Frances Martin & Kristy Draper
University of Tasmania

33. Selective improvements in multiple task performance: Event-related brain potentials dissociate practice from time pressure effects

Joerg Sangals, Werner Sommer, & Maria Wilwer
Humboldt University-Berlin

34. On the reasons of response slowing in Parkinson's disease

Michael Falkenstein[1], Joerg Hoormann[1], Joachim Hohnsbein[1], & Horst Hielscher[2]
[1]Leibniz Research Center for the Working Environment & Human Factors, [2]City Hospital, Gelsenkirchen

35. Distraction by irrelevant visual information in Parkinson's disease: Behavioral and ERP evidence

Joachim Hohnsbein[1], Joerg Hoormann[1], Horst Hielscher[2], & Michael Falkenstein[1]
[1]Leibniz Research Center for the Working Environment & Human Factors, [2]City Hospital, Gelsenkirchen

36. Using ERPs to investigate how hunger selectively influences food evaluations

Stephen L. Crites, Jr.[1], Dora Isable Lozano[2], & Shelley N. Aikman-Eckenrode[1]
[1]University of Texas at El Paso, [2]Univerisity of Southern California

37. Effects of alcohol intoxication on social information processing

Bruce D. Bartholow[1], Melanie Pearson[2], Gabriele Gratton[3], & Monica Fabiani[3]
[1]University of North Carolina at Chapel Hill, [2]University of Missouri-Columbia, [3]University of Illinois at Urbana-Champaign

38. The functional localization of the lateralized readiness potential

Hiroaki Masaki[1], Nele Wild-Wall[2], Joerg Sangals[2], & Werner Sommer[2]
[1]Japan Society for the Promotion of Science, [2]Humboldt University

39. P300 source localization using lead-field modeling and focused inversion

Kevin M. Spencer[1], David Weinstein[2], Margaret A. Niznikiewicz[1], & Robert W. McCarley[1]
[1]Harvard Medical School/VA Boston Healthcare System, [2]University of Utah

40. Effects of repetition priming on induced gamma band responses in the human EEG

T. Gruber & M.M. Müller
University of Liverpool

41. Lower alpha activity differences between successful and unsuccessful performance in a motor task

J. Gualberto Cremades & Robert Castillo
Barry University

42. Omega-3 fatty acids reduce DBP at rest and during stress: Diet as a source of individual differences in stress reactivity

Sheila G. West & Penny M. Kris-Etherton
Pennsylvania State University

43. Effects of nicotine deprivation on event-related brain potentials in a Go/No-Go task

Andrey Anokhin & Angela Ralano
Washington University School of Medicine

44. 6-9 Hz EEG synchronization during cognitive processing at 8 months and 4 years

Martha Ann Bell & Christy Wolfe Collie
Virginia Polytechnic Institute & State University

45. Left or right button press versus silent count in tonal and phonetic oddball tasks: Current Source Density (CSD) ERPs and Principal Components Analysis (PCA)

Jürgen Kayser, Craig E. Tenke, Carlye B. Griggs, Stewart Shankman, & Gerard E. Bruder
New York State Psychiatric Institute

46. Anger dysregulation in married couples

Sybil Carrere[1], Dan Yoshimoto[1], John Schwab[2], Angela Mittmann[3], Erica Woodin[4], Amber Tabares[1], Kim Ryan[5], Melissa Hawkins[6], Stacey Prince[1], & John Gottman[1]
[1]University of Washington, [2]Talaris Institute, [3]University of California, Los Angeles, [4]SUNY-Stony Brook, [5]New College of Florida, [6]University of Utah

47. On the automatic capture of attention by emotion: An event-related potential analysis

Harald T. Schupp[1], Jessica Stockburger[1], Markus Junghöfer[2], Almut I. Weike[1], & Alfons O. Hamm[1]
[1]University of Greifswald, [2]University of Konstanz

48. Repressors display cognitive avoidance and sympathetic inhibition during positive emotional events that threaten self-concept

Marilyn Mendolia, Gary A. Baker, & Mark C. Clayton
The University of Mississippi

49. Voluntarily performing certain facial muscular actions generates different patterns of facial EMG activities

Senqi Hu & Jennifer J. Conn
Humboldt State University

50. Frontal EEG asymmerty during sleep and its relation to affective style

Louis A. Schmidt[1], Kimberly A. Cote[2], Diane L. Santesso[1], & Catherine E. Milner[2]
[1]McMaster University, [2]Brock University

51. Emotional reactivity during anticipation and perception of affective pictures

M. Carmen Pastor, Rosario Poy, Susana Montañés, M. Pilar Tormo, Pilar Segarra, Jaime Vila, & Javier Moltó
Jaume I University

52. Affective processing in patients with neurally mediated syncope

Daniela Palomba[1], Maurizio Codispoti[1], Pietro Cortelli[2], Giorgio Barletta[3], Giulia Pierangeli[3], & Giulia Buodo[1]
[1]University of Padova, [2]University of Modena, [3]University of Bologna

53. Individual physiological and psychological reactivity to environmental sounds

Michael Vickroy[1], Michael T. Bergen[1], Harry L. Moore, Jr.[2], & Richard J. Servatius[1,3]
[1]Department of Veterans Affairs, [2]TACOM-ARDEC, [3]New Jersey School of Medicine

54. Event-related brain potentials within an extended affective/evaluative oddball paradigm

Isabel B. da Fonseca[1], Armando M. de Oliveira[2], & Francisco R. Cardoso[2]
[1]University of Lisbon, [2]University of Coimbra

55. Content and context: Additional sources of variability in affective picture processing ERPs?

F. Joseph McClernon
Duke University & VA Medical Centers

56. Who's on last: Pupil dilation and fMRI assessment of inhibition between cognitive and emotional processing in depressed and healthy individuals

Greg J. Siegle, Stuart R. Steinhauer, Roma O. Konecky, Michael E. Thase, & Cameron S. Carter
University of Pittsburgh

57. Noise characteristics and optimum filtering for EROS measurements

Edward L. Maclin, Gabriele Gratton, & Monica Fabiani
University of Illinois at Urbana-Champaign

58. A single relaxation session improves incidental visual memory

Hartmut Schaechinger, Esmeralda Nava, & Daniela Landau
University Hospital Basel

59. Language perception under concurrent task load

Annette Neumann, Joerg Sangals, & Werner Sommer
Humboldt University-Berlin

60. Differential activation of the thalamus during prepulse inhibition: A mixed-trial fMRI study

Erin A. Hazlett, Monte S. Buchsbaum, & Cheuk Tang
The Mount Sinai School of Medicine

61. Phantom hands and intermanual interference in nonamputated individuals: A fMRI-study

Gebhard Sammer, Carlo Blecker, Peter Kirsch, & Dieter Vaitl
University of Giessen

62. Effects of affective context information on auditory-visual integration as revealed by fMRI

Gebhard Sammer, Susanne V. Frowein, Peter Kirsch, & Dieter Vaitl
University of Giessen

63. Activation of the prefrontal cortex in adults with ADHD: An fMRI study

Peter Kirsch, Sigrid Scholz, Gebhard Sammer, & Dieter Vaitl
University of Giessen

64. A procedure for recording heart rate variability during functional magnetic resonance imaging

Deane Aikins[1,2]
[1]Yale University, [2]National Center for PTSD

65. The contribution of reduced heart rate variability in panic disorder with and without nocturnal panic attacks

Deane Aikins[1,2] & Michelle Craske[3]
[1]Yale University, [2]National Center for PTSD, [3]University of California, Los Angeles

66. Increased heart rate variability in nocturnal panic following cognitive behavioral therapy: Contributions from the mind and the body

Deane Aikins[1,2] & Michelle Craske[3]
[1]Yale University, [2]National Center for PTSD, [3]University of California, Los Angeles

67. The psychophysiological detection of concealed information: A comparison of written versus pictorial stimulus presentation on skin conductance response and phasic heart rate

Hans-Georg Rill[1], Heinz Werner Gödert[1], Gerhard Vossel[1], Anthony Busuttil[2], & Keith R. Ashcroft[2]
[1]University of Mainz, [2]University of Edinburgh

68. Phasic heart rate as an index in the Guilty Actions Test for the psychophysiological detection of concealed information

Heinz Werner Gödert[1], Hans-Georg Rill[1], Gerhard Vossel[1], Keith R. Ashcroft[2], & Anthony Busuttil[2]
[1]University of Mainz, [2]University of Edinburgh

69. An examination of various psychophysiological parameters for detecting concealed information

Keith R. Ashcroft[1], Matthias Gamer[2], Hans-Georg Rill[2], Heinz Werner Gödert[2], Gerhard Vossel[2], & Anthony Busuttil[1]
[1]University of Edinburgh, [2]University of Mainz

70. Different hypnotic suggestions of analgesia modulate the sensory-discriminative and the motivational-affective component of pain processing selectively

Thomas Weiss, Wolfgang H.R. Miltner, Ralf Trippe, Holger Hecht, Marc Friederich, & Tanja Scheler
Friedrich Schiller University, Jena

71. Central nervous activation to nociceptive stimulation in high susceptible subjects during hypnotic analgesia

Thomas Weiss[1], Wolfgang H.R. Miltner[1], Carlo Blecker[2], Daniela Simon[1], Rudolf Stark[2], Holger Hecht[1], Ralf Trippe[1], & Dieter Vaitl[2]
[1]Friedrich Schiller University, Jena, [2]University of Giessen

72. Attention bias in phobics: Cortical and behavioral correlates

Wolfgang H.R. Miltner, Silke Krieschel, Holger Hecht, Ralf Trippe, & Thomas Weiss
Friedrich Schiller University, Jena

73. Effects of ambient odor administration on sleep quality, sleep duration, and post-sleep cognitive functioning and alertness

Bryan Raudenbush, Jerrod Koon, Jeffrey Smith, & Phillip Zoladz
Wheeling Jesuit University

74. Effects of odor administration on pain threshold, pain tolerance, physiological stress measurements, mood, workload, and anxiety

Bryan Raudenbush[1], Jerrod Koon[1], Brian Meyer[2], & Nick Flower[3]
[1]Wheeling Jesuit University, [2]Appalachian State University, [3]Northwood Health Systems

75. Examination of normalized pulse volume - blood volume relationship: Toward a more valid estimation of the finger vascular tone

Gohichi Tanaka, Yukihiro Sawada, & Kenta Matsumura
Sapporo Medical University

76. Phase-dependent heart rate change as an index for predictive timing of RT signals: A simulation study

Riek J.M. Somsen[1], J. Richard Jennings[2], Maurits W. Van der Molen[1]
[1]University of Amsterdam, [2]University of Pittsburgh

77. Reduced parasympathetic activity and decreased sympathovagal flexibility among healthy high-hostiles during emotional processing

Heath A. Demaree[1], Jennifer L. Robinson[1], & D. Erik Everhart[2]
[1]Case Western Reserve University, [2]East Carolina University

78. Low alpha power (7.5-9.5Hz) changes during positive and negative emotion processing

D. Erik Everhart[1], Jennifer L. Robinson[2], & Heath A. Demaree[2]
[1]East Carolina University, [2]Case Western Reserve University

79. Attention hypoarousal in nonsmokers with a family smoking history

Steven L. Schandler, Nashla Feres, Ngoc Mai Wells, & Giovanna C. Nichola
Chapman University

80. Increased response time enhances orienting and information processing in adult children of alcoholics

Steven L. Schandler, Michael J. Cohen, Lindsey Velez, & Kathleen Turnbaugh
Long Beach Veterans Affairs Health Care System

81. It's not how much you do, but what you do: Physical activity and executive control in older adults

Charles H. Hillman, Erin M. Snook, Artem Belopolsky, Arthur F. Kramer, & Edward. McAuley
University of Illinois at Urbana-Champaign

82. Emotion and motivated behavior: Postural adjustments to affective picture viewing

Charles H. Hillman, Karl S. Rosengren, Darin P. Smith, & Jon P. Hudson
University of Illinois at Urbana-Champaign

83. Physiological correlates of emotional processing through written disclosure

Denise M. Sloan, Brian P. Marx, & Jose Soler-Baillo
Temple University

84. Hypomanic tendencies predict lower startle magnitudes during pleasant pictures

Steven K. Sutton & Sheri L. Johnson
University of Miami

85. Evoked EEG coherence, event-related potentials and startle response reflect altered emotional information processing in MVA survivors with posttraumatic stress disorder (PTSD)

Anke Karl[1], Katja Lämmerhirt[1], Denise Dörfel[1], Antje Erlebach[1], Ulrich Buhss[1], Hans Jürgen Volke[1], & Andreas Maercker[2]
[1]University of Technology Dresden, [2]University of Zürich

86. ANS activity in schizophrenics and normal controls during verbal working memory load

Carsten Diener & Robert Olbrich
Central Institute of Mental Health

87. Habituation and sensitization of psychophysiological reactivity to stress in men and women

Robert M. Kelsey[1], Kathleen Soderlund[2], Carlotta M. Arthur[3], & Sidney R. Ornduff[1]
[1]University of Tennessee, [2]University of North Texas, [3]Harvard School of Public Health

88. The relationship between facial skin surface temperature reactivity and traditional polygraph measures

Dean A. Pollina[1], Ioannis Pavlidis[2], & Andrew H. Ryan[1]
[1]Department of Defense Polygraph Institute, [2]Honeywell Corporation

89. Individual differences in the sleep onset process: ERP, EEG, and personality

Kiwamu Yasuda, Kimberly A. Cote, & Laura Ray
Brock University

90. Cardiac and cortisol reactivity of temperamentally exuberant children

Kristin A. Buss
University of Missouri-Columbia

91. Consideration of temperament and gender in the interpretation of physiologic data

Nancy Snidman[1], Jerome Kagan[1], Sue Woodward[1], & Mark McManis[2]
[1]Harvard University [2]University of Texas at Houston

92. Relationships among 24-hour activity diary recordings, Holter monitor heart rate, and Actigraph activity monitoring

Stephen M. Patterson[1], Jeffrey B. Vancouver[1], & David S. Krantz[2]
[1]Ohio University, [2]Uniformed Services University of the Health Sciences

93. Phase relationship between respiration and respiratory sinus arrhythmia varies as a function of respiration rate

Nicholas D. Giardino, Leighton Chan, & Soo Borson
University of Washington

94. The long and the short of it: Influence of inter-stimulus interval on auditory P300 abnormalities in schizophrenia

Daniel H. Mathalon[1] & Judith M. Ford[2]
[1]Yale University & VA Connecticut Health Care System, [2]Stanford University & VA Palo Alto Health Care System

95. One-year longitudinal stability of the P50 event-related potential in schizophrenia patients and normal comparison subjects

Cindy M. Yee, Sarah E. Morris, & Keith H. Nuechterlein
University of California, Los Angeles

96. Reduction of MMN in the first few years of schizophrenia

Dean Salisbury, Martha E. Shenton, & Robert W. McCarley
Harvard Medical School, McLean Hospital

97. Is startle exaggerated in posttraumatic stress disorder?

Mark W. Miller & Jennifer L. Greif
Boston University/Boston VAMC

98. Flexibility of breathing regulation in high and low anxious persons

Omer Van den Bergh, Ilse Van Diest, Karel P. Van de Woestijne, & Bruno Vandeputte
University of Leuven