



Society for Psychophysiological Research

44th Annual Meeting ♦ October 20-24, 2004 ♦ La Fonda Hotel ♦ Santa Fe, New Mexico

Poster Session I

Main Floor ♦ Sweeney Convention Center ♦ Thursday, October 21 ♦ 8:00 p.m.-10:00 p.m.

Poster Schedule:

12:00 noon - 2:00 p.m. Poster Setup
2:00 p.m. - 8:00 p.m. Posters Available for Viewing
8:00 p.m. - 10:00 p.m. Poster Session Open, Authors Present
10:00 p.m. - 11:00 p.m. Dismantle Posters

Poster Number: 1

PREPULSE INHIBITION AND THE PSYCHOLOGICAL REFRACTORY PERIOD

Melissa L. Rawley and Terry D. Blumenthal, Wake Forest University

Poster Number: 2

EXPLORING THE RELATIONSHIP BETWEEN SELF-ESTEEM AND VAGAL TONE

Andy Martens, John J.B. Allen, Jeff Greenberg, Michael Johns, University of Arizona; and Jamie Arndt, University of Missouri

Poster Number: 3

PREMENSTRUAL DISTRESS AND FRONTAL ALPHA ASYMMETRY

Eynav Elgavish, Dara Halpern, and John J.B. Allen, University of Arizona

Poster Number: 4

DOPAMINERGIC ACTIVITY AS A MODERATOR OF ERN AMPLITUDE

Nicole C. McDonald, University of Arizona; Ziya V. Dikman, Stanford University; and John J.B. Allen, University of Arizona

Poster Number: 5

"SEEN IT!" - EFFECTS OF STIMULUS SEQUENCE ON EMOTIONAL PICTURE PERCEPTION

Tobias Flaisch, Markus Junghoefer, University of Konstanz; Margaret M. Bradley, University of Florida; Harald Schupp, University of Konstanz; and Peter J. Lang, University of Florida

Poster Number: 6

CARDIAC DECELERATION DURING DICHOTIC LISTENING SUPPORTS HEMISPHERIC SPECIALIZATION FOR ATTENTION TO AFFECTIVE SOUNDS

Sergio P. da Silva and Richard W. Backs, Central Michigan University

Poster Number: 7

CARDIAC CONTROL WHILE DIVIDING ATTENTION BETWEEN VISUAL OR AUDITORY MONITORING AND VISUAL-MANUAL TRACKING

Richard W. Backs, Jenell Barnard, and Jason Rohdy, Central Michigan University

Poster Number: 8

INDIVIDUAL DIFFERENCES IN CARDIOVASCULAR REACTIVITY DURING COGNITIVE TASK PERFORMANCE

John K. Lenneman, General Motors R&D and Planning and Richard W. Backs, Central Michigan University

Poster Number: 9

THE EFFECT OF BODY MASS ON INSULIN SENSITIVITY IN THE CEREBRAL CORTEX OF HUMANS

Hubert Preissl, Otto Tschritter, H. Marx, R. Frost, Andreas Fritsche, Werner Lutzenberger, H.U. Häring, University of Tübingen; Michael Stumvoll, University of Leipzig; and Niels Birbaumer, University of Tübingen

Poster Number: 10

RECOGNITION MEMORY IN AUTISTIC "SAVANTS": AN MEG STUDY

Nicola Neumann, Anna M. Dubischar-Krivec, Christoph Braun, University of Tübingen; Sven Boelte, Fritz Poustka, J.W.Goethe-University of Frankfurt/M; and Niels Birbaumer, University of Tübingen

Poster Number: 11

BRAIN RESPONSES RECOGNITION OF EMOTIONAL PROSODY IN PATIENTS WITH EXTREMELY SEVERE DISABILITIES

Boris Kotchoubey, Vladimir Bostanov, University of Tübingen; Petra Maurer, Hospital for Neurorehabilitation; Simone Lang, Medical University of Lübeck; and Niels Birbaumer, University of Tübingen and University of Trento

Poster Number: 1 2

EFFECTS OF COCAINE ON ATTENTION SWITCHING WITHIN AND BETWEEN VERBAL AND VISUOSPATIAL WORKING MEMORY

Andrea Kübler, University of Tübingen; Kevin Murphy, Trinity College Dublin; Jaqueline Kaufman, Medical College of Wisconsin; and Hugh Garavan, Trinity College Dublin

Poster Number: 1 3

SENSORIMOTOR-RHYTHM-BASED BRAIN-COMPUTER INTERFACE USE IN PEOPLE WITH AMYOTROPHIC LATERAL SCLEROSIS (ALS)

Femke Nijboer, Juergen Mellinger, Barbara Wilhelm, Tamara Matuz, Nicola Neumann, Institute of Medical Psychology and Behavioral Neurobiology; Jonathan R. Wolpaw, Theresa M. Vaughan, New York State Department of Health and State University of New York; Niels Birbaumer, Institute of Medical Psychology and Behavioral Neurobiology and University of Padova; and Andrea Kuebler, Institute of Medical Psychology and Behavioral Neurobiology

Poster Number: 1 4

SELF-REGULATION OF THE LOCAL BOLD SIGNAL AND ITS BEHAVIORAL CONSEQUENCES: A REAL-TIME FMRI STUDY

Nikolaus Weiskopf, Frank Scharnowski, Ralf Veit, University of Tübingen; Tonio Ball, University Clinics of Freiburg; Klaus Mathiak, Regine Zopf, Petra Studer, Wolfgang Grodd, University of Tübingen; Rainer Goebel, University of Maastricht; and Niels Birbaumer, University of Tübingen

Poster Number: 1 5

SEX DIFFERENCES IN EVENT RELATED BRAIN RESPONSES IN SEMANTIC PRIMING

Jerôme Dalozzo, University of Strasbourg and Boris Kotchoubey, University of Tübingen

Poster Number: 1 6

GET REAL CLOSE IF YOU WANT TO DISTURB: A MAGNETOENCEPHALOGRAPHY STUDY ON SHORT-TERM TACTILE MEMORY

Heng-Ru May Tan, University of Tübingen and University of Edinburgh; Anja Wühle and Christoph Braun, University of Tübingen

Poster Number: 1 7

EMOTIONAL SPECIFICITY OF ERN AND ERROR MONITORING DEFICITS ASSOCIATED WITH PSYCHOPATHY

Gillian E. Munro, University of Waterloo; Jane Dywan, Brock University; Grant T. Harris, Shari McKee, Ayse Unsal, Oakridge Division of the Mental Health Centre Penetanguishene; and Sidney Segalowitz, Brock University

Poster Number: 1 8

STABILITY AND RELIABILITY OF THE ERROR-RELATED NEGATIVITY (ERN)

Diane L. Santesso, Sidney J. Segalowitz, and Jane Dywan, Brock University

Poster Number: 1 9

THE ATTENTIONAL MODEL OF INDUCED EEG GAMMA: A MANIPULATION COMPARISON WITH P300

Anthony Folino, James Desjardins, and Sidney J. Segalowitz, Brock University

Poster Number: 2 0

CONTINGENT NEGATIVE VARIATION AND ATTENTION IN CHILDREN

Beth E. Mozolic, Patricia L. Davies, Colorado State University; Sidney J. Segalowitz, Brock University; and William J. Gavin, University of Colorado

Poster Number: 2 1

INDIVIDUAL DIFFERENCES IN SENSORY GATING IN CHILDREN

Wen-Pin Chang, Colorado State University; William J. Gavin, University of Colorado; and Patricia L. Davies, Colorado State University

Poster Number: 2 2

NEUROELECTRIC ASSESSMENT OF ECSTASY USE IN YOUNG ADULTS

Brian A. Lopez and John Polich, The Scripps Research Institute

Poster Number: 2 3

RESTING VAGAL TONE IN ADULTS WITH A HISTORY OF DEPRESSION

Aimee K. Santucci, Jeffrey F. Cohn, University of Pittsburgh; Nathan A. Fox, University of Maryland; and Steven J. Gelles, University of Pittsburgh

Poster Number: 2 4

LONG-TERM STABILITY OF FRONTAL ELECTROEN- CEPHALOGRAPHIC ASYMMETRY IN CHILDREN

Marika Essl, J.F. Cohn, University of Pittsburgh; N.A. Fox, University of Maryland; and C. George, University of Pittsburgh

Poster Number: 2 5

LONG-TERM STABILITY OF HEART PERIOD AND HEART RATE VARIABILITY IN ADULTS WITH HISTORY OF DEPRESSION

Steven J. Gelles, Marika Essl, Aimee K. Santucci, Jeffrey F. Cohn, University of Pittsburgh; and Nathan A. Fox, University of Maryland

Poster Number: 2 6

CATHARSIS HYPOTHESIS REVISITED: AUTONOMIC RECOVERY FOLLOWING AGGRESSIVE RESPONSES

Edelyn Verona, University of Illinois, Urbana-Champaign and Elizabeth Sullivan, Finch University-Chicago Medical School

Poster Number: 2 7

ALCOHOL EFFECTS ON ERP CORRELATES OF COGNITIVE CONTROL

Patrick E. Rothwell and John J. Curtin, University of Wisconsin-Madison

Poster Number: 2 8

AFFECTIVE REACTIVITY DURING SMOKING WITHDRAWAL: EVIDENCE FOR SEX DIFFERENCES IN SMOKING MOTIVATION

Joanne M. Hogle and John J. Curtin, University of Wisconsin-Madison

Poster Number: 29

THE RECOGNITION POTENTIAL: RECOGNITION OR THE AUTOMATIC COMPARISON PROCESS?

Jie Pu, Case Western Reserve University; Danling Peng, Beijing Normal University; Jinghang Wei, Chinese Academy of Sciences; Yan Song, Beijing Normal University; and Heath A. Demaree, Case Western Reserve University

Poster Number: 30

PHYSIOLOGICAL AND COGNITIVE EFFECTS OF EMOTION REGULATION: IMPLICATIONS FOR CAREGIVING

J.L. Robinson, H.A. Demaree, and J. Pu, Case Western Reserve University

Poster Number: 31

NEUROMAGNETIC RESPONSES OF TINNITUS SUFFERERS TO PURE TONE STIMULI YIELDS NO EVIDENCE FOR THE PHANTOM LIMB PAIN ANALOGY

Nathan Weisz, Katalin Dohrmann, and Thomas Elbert, University of Konstanz

Poster Number: 32

MUTILATED PICTURES: DO HUMANS FREEZE?

Livia D. Facchinetti, Tatiana M. Azevedo, Claudia D. Vargas, Erika C. Rodrigues, Luiz A. Imbiriba, Jose M. Oliveira, Luiz G. Lutterbach, and Eliane Volchan, Federal University of Rio de Janeiro

Poster Number: 33

REGULATION OF HEART ADRENERGIC RESPONSE TO MUTILATED PICTURES: INFLUENCE OF DISPOSITIONAL POSITIVE AFFECT

Pedro P.S. Soares, Federal Fluminense University; Laura A.S. Oliveira, Federal University of Rio de Janeiro; Leticia Oliveira, Federal Fluminense University; Mateus Joffily, Federal University of Rio de Janeiro; Peter J. Lang, University of Florida; Antonio C.L. Nobrega, Federal Fluminense University; and Eliane Volchan, Federal University of Rio de Janeiro

Poster Number: 34

THE EFFECTS OF DISCRETE PREPULSE FORMAT AND BACKGROUND NOISE ON ATTENTIONAL MODIFICATION OF PREPULSE INHIBITION OF STARTLE

Albert B. Poje, Diane L. Fillion, and Joseph Heater, University of Missouri-Kansas City

Poster Number: 35

EXAMINATION OF NEURAL TIMING CIRCUITS IN SCHIZOPHRENIA WITH EYE-BLINK CONDITIONING METHODOLOGY

William P. Hetrick, Sarah M. Brown, JoAnne Tracy, Crystal Mehta, Brian F. O'Donnell, Anantha Shekhar, and Joseph E. Steinmetz, Indiana University

Poster Number: 36

AUDITORY AND VISUAL P300 IN SCHIZOPHRENIA

Jenifer L. Vohs, Misty Bodkins, Andrew Bismark, Brian F. O'Donnell, Anantha Shekhar, and William P. Hetrick, Indiana University

Poster Number: 37

ERP CORRELATES OF SET SWITCHING AND SWITCH COSTS

Paul D. Kieffaber and William P. Hetrick, Indiana University

Poster Number: 38

EXERCISE, ANXIETY, AND SHORT-LEAD STARTLE MODIFICATION: USING PREPULSE INHIBITION TO INDEX CHANGES IN ATTENTIONAL BIAS FOLLOWING ACUTE EXERCISE

Aaron R. Duley, Christopher M. Janelle, University of Florida; Charles H. Hillman, University of Illinois, Urbana-Champaign; Caitlin E. Duffy and Stephen A. Coombes, University of Florida

Poster Number: 39

DIFFERENTIAL INFLUENCES OF AGE AND PHYSICAL ACTIVITY ON ERN

Jason R. Themanson, Charles H. Hillman, University of Illinois; and John J. Curtin, University of Wisconsin

Poster Number: 40

ERROR-RELATED NEGATIVITY IN HEALTHY PREADOLESCENT CHILDREN

Sarah M. Buck, Jason R. Themanson, Darla Castelli, and Charles H. Hillman, University of Illinois

Poster Number: 41

PHYSICAL FITNESS AND COGNITIVE FUNCTION IN HEALTHY PREADOLESCENT CHILDREN

Sarah M. Buck, Charles H. Hillman, and Darla Castelli, University of Illinois

Poster Number: 42

HOSTILITY AND ANGER-OUT ARE DIFFERENTIALLY ASSOCIATED TO HEART RATE VARIABILITY IN AN AMBULATORY ASSESSMENT

Fermin González, Alfonso Martínez, and Gustavo A. Reyes del Paso, Universidad de Jaén

Poster Number: 43

EFFECTS OF AFFECTIVE STIMULUS PROPERTIES ON IDENTIFICATION AND CORTICAL PROCESSING OF SPEECH SYLLABLES

Sabine Heim and Andreas Keil, University of Konstanz

Poster Number: 44

AFFECTIVE MODULATION OF AUDITORY LANGUAGE PROCESSING INDEXED BY OSCILLATORY BRAIN ACTIVITY

Andreas Keil and Sabine Heim, University of Konstanz

Poster Number: 45

FEAR CONDITIONING AND LEARNING IN THE SENSORY CORTEX: EVIDENCE FROM AN MEG STUDY

Stephan Moratti, Andreas Keil, and Margarita Stolarova, University of Konstanz

Poster Number: 46

EMOTIONAL AROUSAL OF VERBAL STIMULI MODULATES THE ATTENTIONAL BLINK

Niklas Ihssen, Sabine Heim, and Andreas Keil, University of Konstanz

Poster Number: 47

EMOTIONAL PROCESSING IN BLOOD PHOBICS: EVENT-RELATED POTENTIALS, STARTLE BLINK, AND AUTONOMIC RESPONSES

Giulia Buodo, Michela Sarlo, University of Padova; Maurizio Codispoti, University of Bologna; and Daniela Palomba, University of Padova

Poster Number: 48

CARDIOVASCULAR RESPONSES TO DISGUST
ELICITORS IN BLOOD PHOBICS

*Michela Sarlo, Giulia Buodo, and Daniela Palomba,
University of Padova*

Poster Number: 49

SEX DIFFERENCES IN RELATIONSHIPS AMONG
AROUSAL, AFFECT, AND NEUROTICISM

*Michelle N. Shiota and Robert W. Levenson, University
of California, Berkeley*

Poster Number: 50

HOTSPOTS: DISAGREEMENT AND CONSENSUS BUILDING
AND THEIR RELATION TO EMOTION DURING MARITAL
CONFLICT

*Gilad Hirschberger, Bar-Ilan University; Benjamin H.
Seider, University of California, Berkeley; Penny Marsh,
University of Washington; Kristin L. Nelson and Robert W.
Levenson, University of California, Berkeley*

Poster Number: 51

LEXICAL INDICATORS OF INCREASED SELF-FOCUS IN
FRONTOTEMPORAL LOBAR DEMENTIA

*Benjamin H. Seider, Virginia E. Smith, Elizabeth A. Ascher,
Kristin L. Nelson, Jonathon D. Leavitt, University of
California, Berkeley; Gilad Hirschberger, Bar-Ilan
University; Robert W. Levenson, University of California,
Berkeley; Howard J. Rosen and Bruce L. Miller, University
of California, San Francisco*

Poster Number: 52

EMOTIONAL LANGUAGE IN FRONTOTEMPORAL LOBAR
DEGENERATION

*Elizabeth A. Ascher, Virginia E. Smith, Benjamin H. Seider,
Kristin L. Nelson, Jonathan D. Leavitt, Robert W. Levenson,
University of California, Berkeley; Howard J. Rosen and
Bruce L. Miller, University of California, San Francisco*

Poster Number: 53

SELF-CONSCIOUS EMOTION DEFICITS IN FRONTOTEM-
PORAL LOBAR DEMENTIA PATIENTS

*Virginia E. Smith and Robert W. Levenson, University of
California, Berkeley*

Poster Number: 54

PHYSIOLOGICAL COSTS OF EMOTIONAL SUPPRESSION
CROSS ETHNIC LINES

*Nicole A. Roberts, University of Wisconsin, Milwaukee;
Robert W. Levenson, University of California, Berkeley;
and James J. Gross, Stanford University*

Poster Number: 55

CHANGES IN EMPATHIC ACCURACY AND PHYSIOLOGICAL
LINKAGES IN MIDDLE-AGED AND ELDERLY COUPLES:
A FIVE-YEAR LONGITUDINAL STUDY

*Patrick K. Whalen and Robert W. Levenson, University of
California, Berkeley*

Poster Number: 56

NEURAL CORRELATES OF EMOTIONAL UNDERSTANDING

*Kelly H. Werner, Robert W. Levenson, University of
California, Berkeley; Guido F. Schauer, Howard J. Rosen,
and Bruce L. Miller, University of California, San Francisco*

Poster Number: 57

HOSTILITY, ANXIETY, AND CARDIOVASCULAR REACTIVITY
IN A HEALTHY FEMALE COMMUNITY SAMPLE: RISK
FACTORS IN THE ETIOLOGY OF CARDIOVASCULAR
DISEASE

*Li Wan, Israel C. Christie, and Helen J. Crawford, Virginia
Polytechnic Institute and State University*

Poster Number: 58

HEART PERIOD VARIABILITY DURING DISCRETE EMO-
TION: ADDITIONAL ANALYSES AND A METHODOLOGICAL
RECOMMENDATION REGARDING STANDARDIZATION OF
REPEATED MEASUREMENTS

Israel C. Christie and Bruce H. Friedman, Virginia Tech

Poster Number: 59

A MATLAB ALGORITHM FOR THE AUTOMATED AND
MANUAL DETECTION OF ARTIFACTS IN HEART PERIOD
TIME SERIES

Israel C. Christie, Virginia Tech

Poster Number: 60

EXPLORING MECHANISMS OF DEVIANT AFFECT-
MODULATED STARTLE IN PSYCHOPATHY

*Edward M. Bernat, Christopher J. Patrick, Benjamin V.
Steffen, Jason R. Hall, and Melinda Ward, University of
Minnesota*

Poster Number: 61

EFFECTS OF ALCOHOL ON EVENT-RELATED POTEN-
TIALS DURING AN AFFECTIVE NOVELTY-P3 TASK

*Paul F. Collins, Edward M. Bernat, Noah Venables, Vaughn
Steele, Sarah Oakland, University of Minnesota; Alan R.
Lang, Florida State University; and Christopher J. Patrick,
University of Minnesota*

Poster Number: 62

EFFECTS OF ALCOHOL ON EVENT-RELATED POTEN-
TIALS ELICITED BY MONETARY GAINS AND LOSSES

*Paul F. Collins, Edward M. Bernat, Noah Venables, Vaughn
Steele, Sarah Oakland, University of Minnesota; Alan R.
Lang, Florida State University; and Christopher J. Patrick,
University of Minnesota*

Poster Number: 63

EFFECTS OF INTOXICATION ON ATTENTION ALLOCA-
TION IN A NATURALISTIC DRIVING ENVIRONMENT

*Edward M. Bernat, Meredith Cadwallader, Michael
Rakauskas, Nicholas J. Ward, Paul Collins, and
Christopher J. Patrick, University of Minnesota*

Poster Number: 64

EMOTION REGULATION DURING PICTURE VIEWING:
COMPARING RESPONSES TO PLEASANT AND
UNPLEASANT STIMULI

*Edward M. Bernat, Meredith Cadwallader, Melinda Ward,
and Christopher Patrick, University of Minnesota*

Poster Number: 65

DIVERGENCE OF ERP AND FEAR CONDITIONING
INDICES IN A DISCRIMINATION LEARNING PARADIGM

*Mark J. Starr, Edward M. Bernat, Jonathan C. Gewirtz, and
Christopher J. Patrick, University of Minnesota*

Poster Number: 66

EFFECTS OF ALCOHOL ON EVENT-RELATED POTENTIALS ELICITED DURING AN INFERENCE-BASED COMPREHENSION TASK

Vaughn R. Steele, Paul F. Collins, Edward M. Bernat, Elizabeth A.H. Lando, Chad J. Marsolek, University of Minnesota; Alan R. Lang, Florida State University; and Christopher J. Patrick, University of Minnesota

Poster Number: 67

EVENT RELATED POTENTIALS DURING ENCODING AND RETENTION WITHIN A SPATIAL WORKING MEMORY TASK

Dongju Seo, Edward M. Bernat, Nathalie Vizueta, Catalina J. Hooper, Monica M. Luciana, William G. Iacono, and Christopher J. Patrick, University of Minnesota

Poster Number: 68

AUTONOMIC ACTIVITY AND CHILDHOOD REACTIVE/ PROACTIVE AGGRESSION II: THE ROLES OF CHILD AND PARENT ANXIETY AND DEPRESSION

Akiho Tanaka, Shelby E. McDonald, Nancy E. Thompson, Angela Scarpa, and Howard Shumate, Virginia Polytechnic Institute and State University

Poster Number: 69

PSYCHOPHYSIOLOGICAL CORRELATES OF CHILDHOOD REACTIVE AND PROACTIVE AGGRESSION

Shelby E. McDonald, Nancy E. Thompson, Angela Scarpa, and Elizabeth E. Van Voorhees, Virginia Polytechnic Institute and State University

Poster Number: 70

AN ERP STUDY OF ENCODING AND MAINTENANCE DEFICITS DURING WORKING MEMORY IN MULTIPLE SCLEROSIS

Janet L. Shucard, Danielle C. McCabe, David W. Shucard, Keri Shiels, and Rachel T. Cho, State University of New York at Buffalo School of Medicine

Poster Number: 71

ERP COMPONENTS ARE DIFFERENTIALLY SENSITIVE TO INFORMATION LOAD AND STAGES OF WORKING MEMORY

Keri Shiels, David W. Shucard, Danielle C. McCabe, Rachel T. Cho, and Janet L. Shucard, State University of New York at Buffalo School of Medicine

Poster Number: 72

EFFECTS OF RESPONSE-COMPATIBILITY ON P300 AMPLITUDE

Antonio L. Freitas, Alain Azizian, Julie Paritskaya, Stephan Berry, and Nancy K. Squires, Stony Brook University

Poster Number: 73

SELF-REFERENTIAL PROCESSING OF EMOTIONALLY CHARGED STIMULI: AN ERP STUDY

Stephen A. Berry, Antonio Freitas, Alain Azizian, and Nancy K. Squires, Stony Brook University

Poster Number: 74

EFFECTS OF PICTORIAL AND WORD STIMULI ON P300 AND REACTION TIME

Alain Azizian, Todd Watson, Chris Paynter, and Nancy K. Squires, Stony Brook University

Poster Number: 75

PHYSIOLOGICAL AND SUBJECTIVE REACTIVITY DISCORDANCE AND ITS RELATION TO DISINHIBITORY DISORDER SYMPTOMS

Leonardo Bobadilla and Jeanette E. Taylor, Florida State University

Poster Number: 76

STARTLE MODIFICATION AND RESPONSES TO RACE: FURTHER EVIDENCE OF ATTENTIONAL EFFECTS IN THE "AFFECT REGION"

John P. Ryan, Sean Q. Rossi, Maria F. Bermudez, and Eric J. Vanman, Georgia State University

Poster Number: 77

EMOTION REGULATION STRATEGIES AND EXPERIENCE: ARE NURSES MORE LIKELY TO DEMONSTRATE THE EFFECTS OF SUPPRESSION VERSUS APPRAISAL?

Christina H. Vlahou and Eric J. Vanman, Georgia State University

Poster Number: 78

EVIDENCE OF MULTIPLE SOMATIC MARKERS DURING PERFORMANCE ON THE IOWA GAMBLING TASK

Cecil L. Powell, Lisa A. Elliott, Christina H. Vlahou, and Eric J. Vanman, Georgia State University

Poster Number: 79

THE EFFECT OF EMOTIONAL AROUSAL ON SELF-FOCUSED ATTENTION

Rashelle Brown, Scott R. Vrana, and Sarah VanName, Virginia Commonwealth University

Poster Number: 80

AGORAPHOBIC SYMPTOMATOLOGY AND EMOTIONAL MODULATION OF THE STARTLE REFLEX AND ANS RESPONSES

Scott McDonald, Scott R. Vrana, Carol A. Prescott, and Kenneth S. Kendler, Virginia Commonwealth University

Poster Number: 81

CARDIOVASCULAR RESPONDING DURING ANGER MEMORY VERBALIZATION BY PTSD VERSUS NON-PTSD VIETNAM COMBAT VETERANS

Jennifer Runnals, Scott R. Vrana, Virginia Commonwealth University; Jean C. Beckham, Duke University Medical Center and Durham VA Medical Center; and Michelle E. Feldman, Durham VA Medical Center

Poster Number: 82

TRAIT FEARFULNESS AND VALENCE MODULATION OF THE STARTLE REFLEX

Scott McDonald, Scott R. Vrana, Carol A. Prescott, and Kenneth S. Kendler, Virginia Commonwealth University

Poster Number: 83

TASK SWITCHING AND THE PURSUIT OF NEUROPHYSIOLOGICAL MECHANISMS IN SWITCH COSTS

Jessica Saenger and Edmund Wascher, Max Planck Institute for Human Cognitive and Brain Sciences

Poster Number: 84

WHAT DO WE BECOME AWARE OF? AN EEG STUDY OF ATTENTION AND CHANGE BLINDNESS

A. Schankin and E. Wascher, Max Planck Institute for Cognitive and Brain Sciences

Poster Number: 85

THE FACE OF FEAR: CROSSMODAL CLASSICAL CONDITIONING OF MOTIVATED ATTENTION

P. Peyk, Heidelberger Akademie der Wissenschaften; M. Junghoefler, J. Kissler, University of Konstanz; and C. Herbert, Heidelberger Akademie der Wissenschaften

Poster Number: 86

HAEMODYNAMIC CORRELATES OF READING EMOTIONAL WORDS

Cornelia Herbert, Heidelberg Academy of Sciences; Johanna Kissler, Markus Junghöfer, University of Konstanz; Peter Peyk, Heidelberg Academy of Sciences; Dirk Wildgruber, Thomas Ethofer, and Wolfgang Grodd, University of Tübingen

Poster Number: 87

READING RAPIDLY PRESENTED EMOTIONAL WORDS - AN ERP STUDY

Cornelia Herbert, Heidelberg Academy of Sciences; Johanna Kissler, Markus Junghöfer, University of Konstanz; and Peter Peyk, Heidelberg Academy of Sciences

Poster Number: 88

WORKING MEMORY AND SLOW-WAVE ERP NEGATIVITY IN SCHIZOPHRENIA PATIENTS, THEIR NON-SCHIZOPHRENIC COTWINS, AND CONTROLS

Peter Bachman, UCLA; Junghoon Kim, MossRehab Research Institute; Cindy M. Yee-Bradbury, UCLA; Sebastian Therman, Marko Manninen, Jouko Lonqvist, Jaakko Kaprio, National Public Health Institute; David Tran, UCLA; Risto Näätänen, University of Helsinki; and Tyrone D. Cannon, UCLA

Poster Number: 89

EFFECTS OF TASK DIFFICULTY ON AUTOMATIC DETECTION OF AUDITORY CHANGE

Merav Sabri, Einat Liebenthal, Eric J. Waldron, Dave A. Medler, and Jeffrey R. Binder, Medical College of Wisconsin

Poster Number: 90

DIFFERENTIAL SKIN CONDUCTANCE RESPONSE TO BIOLOGICALLY AND NON-BIOLOGICALLY RELEVANT IAPS STIMULI AT BRIEF EXPOSURE DURATIONS BEFORE A BACKWARD MASK

Kateri McRae, Keolani E. Taitano, Alfred W. Kaszniak, and Richard D. Lane, University of Arizona

Poster Number: 91

PRESERVATION OF SOCIAL FUNCTIONING IN ALZHEIMER'S DISEASE: A STUDY OF MUTUAL GAZE AND ITS PHYSIOLOGICAL CORRELATES

Megan E. McCarthy, Sarah R. Holley, and Robert W. Levenson, University of California, Berkeley

Poster Number: 92

EMOTIONAL AWARENESS OF SELF AND OTHER AS PREDICTORS OF AUTONOMIC AROUSAL DURING BEREAVEMENT

Mary-Frances O'Connor, University of California, Los Angeles

Poster Number: 93

SENSORY GATING AND COGNITIVE AGING

Laura L. Engleman, Paul M. Guinther, Hasker P. Davis, and Michael A. Kisley, University of Colorado at Colorado Springs

Poster Number: 94

THE ELECTRODERMAL RESPONSE TO SIGNIFICANT WORDS

L. Dindo and D. Fowles, University of Iowa

Poster Number: 95

FIXATIONS, DILATIONS, AND LEXICAL AMBIGUITY RESOLUTION

Aaron M. Meyer and Jonathan W. King, University of Missouri-Columbia

Poster Number: 96

ACQUISITION AND EXTINCTION OF TWO CHARACTERISTICS CONSISTENT WITH FEAR RELEVANCE

Helena M. Purkis and Ottmar V. Lipp, University of Queensland

Poster Number: 97

RELATIONS BETWEEN SKIN CONDUCTANCE ORIENTING AT AGES 3-8 YEARS AND ANTISOCIAL BEHAVIOR AT AGES 8, 11, AND 17 YEARS

Yu Gao, Adrian Raine, University of Southern California; Peter H. Venables, University of York; and Sarnoff A. Mednick, University of Southern California

Poster Number: 98

BRAIN-COMPUTER INTERFACES (BCIS): COMPARING THE PERFORMANCE OF DIFFERENT BRAIN SIGNALS USING BCI2000

Juergen Mellinger, Femke Nijboer, University of Tübingen; Gerwin Schalk, Dennis J. McFarland, Theresa M. Vaughan, Jon R. Wolpaw, Wadsworth Center, New York State Department of Health; Niels Birbaumer, University of Tübingen and University of Trento; and Andrea Kuebler, University of Tübingen

Poster Number: 99

PHYSIOLOGY-AFFECT SEQUENCES DURING MARITAL INTERACTION: RELATIONS WITH MARITAL SATISFACTION, ALCOHOL, AND ALCOHOLISM

Penny Marsh, University of Washington and Robert Levenson, University of California, Berkeley

Poster Number: 100

CONTROL OF SELECTIVE ATTENTION TO FACIAL AND VOCAL EXPRESSIONS OF EMOTION IN PHYSICALLY ABUSED CHILDREN

Jessica E. Friedman and Seth D. Pollak, University of Wisconsin-Madison

Poster Number: 101

ABNORMAL EEG RESPONSES TO AN EMOTIONAL STRESSOR IN ANTISOCIAL ADOLESCENTS

Yaling Yang, Adrian Raine, University of Southern California; Rolf Loeber, University of Pittsburgh; Stuart Steinhauser, VA Pittsburgh Healthcare System; and Lori Lacasse, University of Southern California

Poster Number: 102

TELLING GOOD FROM BAD NEWS: ADHD AFFECTS DIFFERENT ASPECTS OF FEEDBACK PROCESSING

Catharina S. Van Meel, Jaap Oosterlaan, Dirk J. Heslenfeld, and Joseph A. Sergeant, Vrije Universiteit

Poster Number: 103

ERROR PROCESSING IN PATIENTS WITH FOCAL LESIONS OF THE BASAL GANGLIA AND THE LATERAL FRONTAL CORTEX: BEHAVIORAL AND ERP EVIDENCE

Markus Ullsperger and Cramon D. Yves von Cramon, MPI for Human Cognitive and Brain Sciences

Poster Number: 104

TIMING OF TASK-SET RECONFIGURATION IN FRONTAL AND PARIETAL CORTICES

Markus Ullsperger, Marcel Brass, Thomas Knösche, MPI for Human Cognitive and Brain Sciences; and Natalie A. Phillips, Concordia University

Poster Number: 105

FEELING AN ALIEN LIMB INVOLVES THE PRIMARY SOMATOSENSORY CORTEX: A MEG STUDY

Michael Schaefer, National Institute of Neurological Disorders and Stroke; Herta Flor, University of Heidelberg; Hans-Jochen Heinze, and Michael Rotte, Otto-von-Guericke University Magdeburg