

rate changes in response to specific visual or auditory stimuli, using either weighted averages or different interpolation methods (constant, linear, spline) at any user-defined sampling rate. KARDIA also provides the user with functions to calculate all commonly used time-domain statistics of heart rate variability and to perform spectral decomposition by using either Fast Fourier Transform or auto-regressive models. Scaling properties of the IBI series can also be assessed by means of Detrended Fluctuation Analysis. Quantitative results can be easily exported in Excel or MATLAB format for further statistical analysis. KARDIA is freely available (www.ugr.es/~peraka) under the GNU public license for noncommercial use and open source development and is provided together with sample data and user documentation.

The following posters have been relocated:

The following poster presentation has been changed to Poster Session II on Friday, October 3:

Poster #24

THE AUDITORY P3A AND P3B FROM A THREE-STIMULUS ODDBALL TASK: AN ERP AND LORETA STUDY

Eligiusz Wronka¹, Jan Kaiser¹, & Anton M.L. Coenen²
¹Jagiellonian University, ²Radboud University Nijmegen

The following poster presentation has been changed to Poster Session II on Friday, October 3:

Poster #96

VISUAL SEARCH FOR FEARFUL STIMULI: A COMBINED ERP AND FMRI STUDY

Ewald Naumann¹, Patrick Britz¹, Florian Strelzyk¹, Rudolf Starck², & Dirk Hageman³
¹University of Trier, ²University of Giessen, ³University of Heidelberg

The following poster presentation has been changed to Poster Session I on Thursday, October 2:

Poster #118

CAN VIEWING TREE COLOR AFFECT PEOPLE'S EMOTIONAL AND PHYSIOLOGICAL RESPONSES

Andrew J. Kaufman¹, Paul Bolls², & Virginia I. Lohr³
¹University of Hawaii, ²University of Missouri, Columbia, ³Washington State University

The following poster presentation has been changed to Poster Session I on Thursday, October 2:

Poster #124

WHENCE THE EYE BLINKETH? CORRESPONDENCE BETWEEN MULTIPLE MEASURES OF STARTLE EYEBLINK

Christopher T. Lovelace, Wade R. Elmore, Elizabeth R. Duval, Reza Derakhshani, & Diane L. Fillion
University of Missouri, Kansas City

The following poster presentation has been changed to Poster Session I on Thursday, October 2:

Poster #133

INTERTRIAL EFFECTS OF INHIBITION OF FOCUSED ATTENTION ON ALCOHOL OBJECTS IN INDIVIDUALS WITH DIFFERENT ALCOHOL SENSITIVITY

Eunsam Shin, & Bruce D. Bartholow
University of Missouri

The following posters have been withdrawn:

Poster #29

NEURAL MECHANISMS UNDERLYING COGNITION-AFFECT INTERACTION AND PSYCHOLOGICAL WELL-BEING

Carien M. van Reekum, Tom Johnstone, Stacey M. Schaefer, Catherine J. Norris, Regina C. Lapate, David Bachhuber, Nicole M. Rute, & Richard J. Davidson
University of Wisconsin-Madison

Poster #45

COMORBID WORRY PREDICTS RELATIVE RIGHT FRONTAL BRAIN ACTIVITY

Jennifer L. Stewart¹, Andrew W. Bismark¹, James A. Coan², & John J.B. Allen¹
¹University of Arizona, ²University of Virginia

Poster #85

ALPHA RHYTHM SPECTRAL POWER DENSITY CHANGES DURING PERIODICALLY DECREASING CIRCLE PRESENTATION

Ighor Kotsan, Ilyya Kuznetsov, & Lessya Sydoruk
Volyn National University

Poster #87

MORE THAN ONE DYSFUNCTION UNDERLYING ATTENTION DEFICIT DISORDERS (ADD): A NEUROPHYSIOLOGICAL PERSPECTIVE

Montserrat Gerez¹, Juan J. Yáñez¹, Juan I. Romero¹, Pilar Poza², Fernando Coello¹, Rosa I. Mézquita¹, & Armando Tello¹
¹Hospital Espanol de Mexico, ²Hospital Psiquiatrico Infantil J.N. Navarro

Poster #93

FEAR CONDITIONING IN PSYCHOPATHS: EVENT-RELATED POTENTIALS AND PERIPHERAL MEASURES

Yvonne Rothmund¹, Christiane Hermann², Sabine M. Grusser³, Christopher J. Patrick⁴, & Herta Flor²
¹Humboldt University of Berlin, ²University of Heidelberg, ³University of Mainz, ⁴University of Minnesota

Poster #101

DIFFERENT DYSFUNCTIONAL PATTERNS UNDERLYING THE WIDE SPECTRUM OF ATTENTION DEFICIT DISORDERS (ADD): THERAPEUTIC IMPLICATIONS

Montserrat Gerez, Juan I. Romero, Juan J. Yáñez, Rosa I. Mézquita, Pilar Poza, Armando Tello, & Carlos Novo
Hospital Espanol de Mexico

Poster #105

INTEROCEPTIVE SENSITIVITY MODULATES ANXIETY EXPERIENCE DURING PUBLIC SPEAKING

Natalie S. Werner, Stefan Duschek, Michael Mattern, & Rainer Schandry
Ludwig Maximilian University Munich

Poster #108

ELECTROENCEPHALOGRAPHIC (EEG) OSCILLATIONS IN THE 25-30 HZ RANGE AT REST AND DURING A BINDING TASK: RELATIONSHIP WITH PERCEPTUAL PROCESSES AND THOUGHT DISORDERS

Montserrat Gerez¹, Marco A. Dupont², Enrique A. Suárez¹, Lauro Castanedo¹, Antonio Ruiz Taviel¹, & Enrique Galica¹
¹Hospital Espanol de Mexico, ²University of Illinois at Urbana-Champaign

Poster #115

PHARMACOEEG: ACUTE EFFECTS OF SULPIRIDE ON 25-30 HZ ABSOLUTE POWER AND TOPOGRAPHY AND CLINICAL RESPONSE IN ATYPICAL THOUGHT DISORDERS

Montserrat Gerez, Marco A. Dupont, Carlos Serrano, Enrique Suárez, & Alberto Guerrero
Hospital Espanol de Mexico

Poster #122

EEGIFT: A TOOLBOX FOR GROUP INDEPENDENT COMPONENT ANALYSIS OF EVENT-RELATED EEG

Tom Eichele¹, Srinivas Rachakonda², & Vince D. Calhoun²
¹University of Bergen, ²The MIND Institute

SPR PROGRAM ADDENDUM

Student Social Location

All students are invited to attend the Student Social scheduled on Friday, October 3 starting at 10:00 p.m. at the Iron Cactus Mexican Grill and Margarita Bar, located at 606 Trinity Street. The Iron Cactus is within easy walking distance of the Hilton. As you exit the lobby through the main doors, turn right and go to the corner at 4th Street. Go left on 4th St. 1 block to Trinity Street. Turn right on Trinity and you will find the Iron Cactus 2 blocks up on the left-hand side of the street, on the corner of Trinity and 6th streets.

Business Meeting and Luncheon

If you registered for the Business Meeting and Luncheon, there will be a separate ticket in your badge envelope. You will be asked to present this ticket for admission to the Business Meeting Luncheon.

If you prefer a vegetarian meal, please alert your waiter or waitress so they can bring you the appropriate meal.

Program Committee Update

SPR would like to recognize Vaughn R. Steele, University of Minnesota, as a student member of the Program Committee. Program Committee Chair, Bruce D. Bartholow, would like to apologize to Vaughn for the oversight that led to the omission of his name from the list of committee members presented in the program.

Program Updates

Friday

1:00 p.m.-2:30 p.m.

Symposium 10

The Present as the Past's Future
Moved to Grand Ballroom, Salon G

Saturday

The presentation order of Symposium 15 has changed. Please review the following information for the updated order of presentation.

8:30 a.m.-10:00 a.m.

Grand Ballroom, Salon K

Symposium 15

Imaging Genetics: Contributions from Twin Studies

Chair: Eco de Geus, VU University

An Imaging Study of Australian Twins: Quantifying Genetic and Environmental Influences on fMRI and Hardi Phenotypes

Margaret Wright¹, Gabriella Blokland¹, Ming-Chang Chiang², Katy MacMahon³, Nicholas Martin¹, Arthur Toga², Greig de Zubicaray³, & Paul Thompson²

¹Queensland Institute of Medical Research and The University of Queensland, ²University of California, Los Angeles, ³University of Queensland

Heritability of Brain Structure at the Onset of Puberty: An MRI Study in 9-Year Old Twin-Pairs

Jiska Peper¹, Hugo Schnack¹, Rachel Brouwer¹, Caroline van Baal¹, Marieke van Leeuwen², Louis Collins³, Alan Evans³, Dorret Boomsma², Rene Kahn¹, & Hilleke Hulshoff Pol¹

¹Utrecht University Medical Center, ²VU University, ³Montreal Neurological Institute

Mapping Genetically-Mediated Intracortical Covariance at High Levels of Resolution: Results from the NIH Pediatric Twin Study

Eric Schmitt¹, Rhoshel Lenroot², Gregory Wallace², Jason Lerch³, Kenneth Kendler¹, Michael Neale¹, & Giedd Jay²

¹Virginia Commonwealth University, ²National Institute of Mental Health, ³Hospital for Sick Children

Amygdala Responses to Emotional Faces and Emotional Words in Monozygotic Twins Concordant or Discordant for the Risk for Anxiety and Depression

Eco de Geus¹, Saskia Wolfensberger², Witte Hoogendijk², Michiel de Rooter², Dorret Boomsma¹, & Dick Veltman²

¹VU University, ²VU University Medical Center

Functional MRI During Performance of the Stroop Task in Monozygotic Twins Concordant or Discordant for Attention/Hyperactivity Problems

Dennis van 't Ent¹, Hanne Lehn¹, Eske Derks¹, James Hudziak², Niels van Strien³, Dick Veltman³, Eco de Geus¹, Richard Todd⁴, & Dorret Boomsma¹

¹VU University, ²University of Vermont, ³VU University Medical Center, ⁴Washington University School of Medicine

Poster Session Changes

Poster Session I

The following posters have been relocated:

The following poster presentation has been changed to Poster Session II on Friday, October 3:

Poster #63

THINGS ARE GOING WORSE THAN EXPECTED: AN EXAMINATION OF NEURAL SYSTEMS ALTERED BY STRESS

*James F. Cavanagh, Michael J. Frank, & John J.B. Allen
University of Arizona*

The following poster presentation has been changed to Poster Session III on Saturday, October 4:

Poster #91

AN ERP STUDY OF PLACEBO ANALGESIA

*Per M. Aslaksen, Elisabeth Sjølie, Line Solbakken, Sara M. Vambheim, & Magne Arve Flaten
University of Tromsø*

The following poster presentation has been changed to Poster Session II on Friday, October 3:

Poster #141

THE LATENCY OF THE INSTRUCTED AND CONDITIONED FEAR REACTION TO STIMULI SIGNALLING PAIN

*Ole Åsli, & Magne A. Flaten
University of Tromsø*

The following poster presentation has been changed to Poster Session II on Friday, October 3:

Poster #142

NEURAL NETWORKS UNDERLYING NARRATIVE EMOTIONAL IMAGERY

*Vincent D. Costa, Francesco Versace, Margaret M. Bradley, & Peter J. Lang
University of Florida*

The following posters have been withdrawn:

Poster #119

CHILDREN'S PHYSIOLOGICAL REACTIVITY TO FEEDBACK: INDIVIDUAL DIFFERENCES IN PERFORMANCE AND TEMPERAMENT

*Jennifer M. McDermott, & Nathan A. Fox
University of Maryland*

Poster #124

TRACKING AUDITORY PATTERN LEARNING WITH SINGLE-TRIAL EVENT RELATED POTENTIALS

*Rune A. Eikeland, Kristiina Kompus, & Tom Eichele
University of Bergen*

Poster Session II

The following posters have been relocated:

The following poster presentation has been changed to Poster Session I on Thursday, October 2:

Poster #39

RSVP, PLEASE: BLOCKED VS RANDOMIZED VALENCE IN RAPID SERIAL VISUAL PRESENTATION OF EMOTIONAL PICTURES

*Daniel J. Goldman, Julia K. Langer, Michelle A. Roth, & Bruce N. Cuthbert
University of Minnesota*

The following poster presentation has been changed to Poster Session III on Saturday, October 4:

Poster #105

TOWARDS CONSTRUCT VALIDATION OF BRAIN INTEGRATION SCALE SCORES: BRAIN PATTERNS, SKIN CONDUCTANCE HABITUATION AND SELF-DEVELOPMENT IN WORLD-CLASS NORWEGIAN ATHLETES

Frederick T. Travis¹, Harald S. Harung², Anne Marte Pensgaard³, Rannie Boes¹, & Susanne Cook-Greuter⁴

¹Maharishi University of Management, ²Oslo University College, ³Norwegian University for Sports Sciences and Olympiatoppen, ⁴Management Consultants

The following poster presentation has been changed to Poster Session I on Thursday, October 2:

Poster #119

AN EVENT-RELATED POTENTIAL (ERP) STUDY OF THE MEMORY BLOCK EFFECT

Olga Rass¹, Paul A. Leynes², Joshua D. Landau³, Tim Curran⁴, Vinaya Raj⁵, & Jenna Scisco⁶

¹Indiana University, Bloomington, ²The College of New Jersey, ³York College of Pennsylvania, ⁴University of Colorado at Boulder, ⁵Virginia Polytechnic Institute and State University, ⁶Clemson University

The following posters have been withdrawn:

Poster #24

PHYSIOLOGICAL CORRELATES OF AFFECTIVE SOUNDS IN AUSTRALIAN ADULTS AND INFANTS

*Nicole S. Erlich, Ottmar V. Lipp, & Virginia Slaughter
University of Queensland*

Poster #63

HOW SOCIAL RELATIONSHIPS INFLUENCE BEHAVIOR AND HORMONES IN COMMON MARMOSETS, CALLITHRIX JACCHUS DURING PSYCHOLOGICAL STRESS SITUATIONS

*Nicole Leite Galvão-coelho, & Bernardete Cordeiro Sousa
Federal University of Rio Grande do Norte*

Poster #115

NEURAL DIFFERENTIATION OF FEAR AND ANXIETY

Philip J. Corr¹, Roger A. Moore², Andrew Cooper³, Nathalie C. Fouquet⁴, & Paul Marshman²

¹University of Swansea, ²University of Portsmouth, ³University of London (Goldsmiths), ⁴University of Swansea

Poster #116

ERD CORRELATES IN LOW AND HIGH MALE BODY IMAGE TYPES: A PRELIMINARY STUDY

*Lorenzo D. Stafford, & Roger A. Moore
University of Portsmouth*

Poster Session III

The following is a new poster presentation:

The following abstract will be presented in Poster Session III:

Poster #7

KARDIA: AN OPEN SOURCE GRAPHIC USER INTERFACE FOR THE ANALYSIS OF CARDIAC INTERBEAT INTERVALS

Pandelis Perakakis¹, Mateus Joffily², Pedro, Guerra¹, Jose Luis Mata-Martin¹, Lourdes Anllo-Vento¹, Jaime Vila¹

¹University of Granada, ²Federal University of Rio de Janeiro

KARDIA (“heart” in Greek) is a graphic user interface (GUI) designed for the analysis of cardiac interbeat interval (IBI) data. It was developed in Matlab programming language (The Mathworks, Inc.) and runs on recent Matlab versions (2006-2007 releases) on all supported operating systems (McOS, Unix and Windows). KARDIA allows interactive importing and visualization of both IBI data and event-related information. Available functions permit the analysis of phasic heart