Thursday, October 19

Thursday, 9:00-9:05 PM  
*Grand Ballroom A&B*

**Opening Remarks**

Richard J. Davidson  
*University of Wisconsin, Madison*

Thursday, 9:05-10:00 AM  
*Grand Ballroom A & B*

**Invited Address**

*Phantoms in the brain: What neurology can tell us about human nature and the meaning of art*

Vilayanur Ramachandran  
*University of California, San Diego & The Salk Institute*

Chair: John Polich  
The Scripps Research Institute

Thursday, 10:00-10:30 AM  
*Grand Ballroom Foyer*

**Coffee Break**

Thursday, 10:30 AM-12:00 PM  
*Grand Ballroom A & B*

**Symposium 1**

*Psychophysiology and neuroscience: Crossroads and convergences*

Chair: Bruce H. Friedman  
*Virginia Tech*

*Psychophysiology: In need of new applications?*

Kenneth Hugdahl  
*University of Bergen*

*Spheres of influence: Psychophysiology’s place in the universe of neuroscience*

Tyler S. Lorig  
*Washington and Lee University*
Neurovisceral integration: A systems approach to the relationship between neuroscience and psychophysiology
Julian F. Thayer
National Institute on Aging

Psychophysiology and neuroscience: Distinct paradigms
Bruce H. Friedman
Virginia Tech

Discussant: Gregory A. Miller
University of Illinois, Urbana-Champaign

Thursday, 10:30 AM - 12:00 PM
Grand Ballroom C & D

Symposium 2

Startle reflex and event-related potential (ERP) studies of posttraumatic stress disorder
Chair: Mark W. Miller
Veterans Affairs Boston Healthcare System

Posttraumatic stress disorder and event-related potentials during auditory and visual sustained attention
Janet L. Schucard, Danielle C. McCabe, & H. Szymanski
State University of New York, Buffalo

Novelty P300 paradigms in PTSD
Matthew Kimble\textsuperscript{1}, Danny Kaloupek\textsuperscript{1}, Milissa Kaufman\textsuperscript{1}, & Patricia J. Deldin\textsuperscript{2}
\textsuperscript{1}Veterans Affairs Boston Healthcare System, Boston University,\textsuperscript{2} Harvard University

A startle-reflex investigation of the parameters of emotional processing in PSTD
Mark Miller, Brett Litz, Matthew Kimble, Lisa McTeague, Anna Ruef, & Kelly Teresi
Veterans Affairs Boston Healthcare System
Program Schedule - Thursday

Effect of uncontrollable stress on human acoustic startle
Charles A. Morgan¹, Gary Hoyt², & Christian Grillon¹
¹Yale University, ²U.S. Navy

Discussant: Bruce Cuthbert
National Institute on Mental Health

Thursday, 12:00-1:30 PM
Lunch (on your own)

Thursday, 1:30 - 3:00 PM
Grand Ballroom A & B

Symposium 3

Hemispheric organization of visual function and memory
Chair: Ava J. Senkfor
Stanford University

Insights into visuospatial organization from the split brain
Paul M. Corballis
Dartmouth College

On the face of it, can we object to category-specific vision?
Aina Puce
Swinburne University of Technology

What happens when you turn the motor on?
ERP analysis of episodic action memories
Ava J. Senkfor
Stanford University

What your brain knows that you don’t: The neuroimaging of false memory
Monica Fabiani, Michael A. Stadler, & Peter A. Wessels
University of Missouri, Columbia
Symposium 4

A multilevel perspective on the psychophysiology of repressive defensive style: Rose colored glasses, sound mind, sick body

Chair: John P. Kline
Florida State University

There are none so blind as those who cannot see: The role of endogenous opioids in repressive coping

Larry D. Jamner
University of California, Irvine

Social desirability/defensiveness, baroreceptors, cortisol, stress, and epidemiology

Stuart Brody
University of Trier

Intrusive thoughts monitoring and avoidance: A response discrepancy analysis

Randall S. Jorgensen & Monika E. Kolodziej
Syracuse University

Sex, lie scales, and electrode caps: Electrocortical concomitants of the interpersonal and intrapersonal context of defensiveness

John P. Kline
Florida State University

Discussant: Don M. Tucker
University of Oregon

Thursday 3:00-3:30 PM
Pavilion Ballroom

Coffee Break
Program Schedule - Thursday

Thursday 3:30-4:30 PM
Grand Ballroom A & B

Invited Address

Prepulse inhibition and models of deficient sensorimotor gating: What we know, what we think we know, and what we hope to know soon

Neal Swerdlow
University of California, San Diego

Chair: Mark Geyer
University California, San Diego

Thursday, 4:30 - 6:00 PM
Grand Ballroom C & D

Symposium 5

Neural and temporal mechanisms of attention: New developments and perspectives

Chair: Matthias Mueller
University of Liverpool

Neural basis of attention to object-tokens
Mitchell Valdes-Sosa, Tupac Pinilla, Alfonso Garcia, Bruce Pike, & Valentina Petre
Cuban Center for Neuroscience, Montreal Neurological Institute

Orienting attention in space and time: Neural systems and mechanisms
Anna Christina Nobre
University of Oxford

Cortical mechanisms of visual spatial orienting to an exogenous cue and in schizophrenic patients measured by the steady-state visual evoked potential
Matthias Mueller & Thomas Gruber
University of Liverpool

The tuning of auditory spatial attention in free-field in normal, blind, and autistic subjects
Wolfgang Teder-Salejarvi¹, Brigitte Roeder², Karen Pierce¹, Eric Courchesne¹, & Steven Hillyard¹
¹University of California, ²University of Marburg
Involuntary and subsequent voluntary attention shifts
Erich Schruger
Universität Leipzig

Neural control and human prefrontal cortex
Robert T. Knight
University of California, San Diego

Thursday, 4:30 - 6:00 PM
Grand Ballroom A & B

Symposium 6

Applying psychophysiological measures to assess treatment changes with clinical problems: Implications of psychophysiological reorganization following clinical intervention
Chair: William J. Ray
The Pennsylvania State University

Generalized anxiety disorder clients show normalized EEG patterns after psychotherapy
William J. Ray, Desomnd Oathes, Alissa Yamasaki, Adam Blai, Deane Aikins, Chris Molnar, & Thomas Borkovec
Pennsylvania State University

Motivational arousal and activity-dependent plasticity
Don Tucker
University of Oregon

Effects of syllabic training on literacy skills, phonological processing and cortical organization in children with language impairment
Sabine Heim, Carsten Eulitz, Christian Wienbruch, & Thomas Elbert
University of Konstanz

Psychophysiological measures can index change in behavior therapy
George W. Alpers, Frank H. Wilhelm, & Walton T. Roth
Veterans Affairs Palo Alto Health Services & Stanford University

Discussant: Walton T. Roth
Stanford University
Program Schedule - Thursday

Thursday, 8:00-10:00 PM
Pavillion Ballroom/Crystal Room

Poster Session 1

Thursday, 10:00 PM
TBD

Student Social