

## 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 Technic*

**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*

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**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 Technic*

**Discussant:** Gregory A. Miller

*University of Illinois, Urbana-*

*Champaign*

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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<sup>1</sup>, Danny Kaloupek<sup>1</sup>,  
Milissa Kaufman<sup>1</sup>, & Patricia J. Deldin<sup>2</sup>

<sup>1</sup>*Veterans Affairs Boston Healthcare*

*System, Boston University,*

<sup>2</sup>*Harvard University*

**A startle-reflex investigation of the parameters of emotional processing in PTSD**

Mark Miller, Brett Litz, Matthew Kimble,  
Lisa McTeague, Anna Ruef,  
& Kelly Teresi

*Veterans Affairs Boston Healthcare System*

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**Effect of uncontrollable stress on human acoustic startle**

Charles A. Morgan<sup>1</sup>, Gary Hoyt<sup>2</sup>, &  
Christian Grillon<sup>1</sup>

<sup>1</sup>*Yale University*, <sup>2</sup>*U.S. Navy*

**Discussant:** Bruce Cuthbert

*National Institute on Mental Health*

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Thursday, 12:00-1:30 PM

**Lunch (on your own)**

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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*

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Thursday, 1:30 - 3:00 PM

*Grand Ballroom C & D*

**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*

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Thursday 3:00-3:30 PM

*Pavillion Ballroom*

**Coffee Break**

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 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*

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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-Salejarvi<sup>1</sup>, Brigitte  
Roeder<sup>2</sup>, Karen Pierce<sup>1</sup>, Eric Courchesne<sup>1</sup>,  
& Steven Hillyard<sup>1</sup>

<sup>1</sup>*University of California,* <sup>2</sup>*University of Marburg*

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**Involuntary and subsequent voluntary attention shifts**

Erich Schruger  
*Universitäts Leipzig*

**Neural control and human prefrontal cortex**

Robert T. Knight  
*University of California, San Diego*

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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*

Thursday, 8:00-10:00 PM

*Pavillion Ballroom/ Crystal Room*

**Poster Session 1**

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Thursday, 10:00 PM

*TBD*

**Student Social**