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Message from Course and Program Committee Co-Chairs

Dear Colleagues,

On behalf of the American Clinical Neurophysiology Society (ACNS) Council, we are thrilled to invite you to attend the 2017 Annual Meeting & Courses, taking place February 8-12, 2017 at the Sheraton Grand Phoenix in Phoenix, Arizona.

The ACNS Annual Meeting & Courses are designed to provide a review of the fundamentals as well as the latest scientific advances in central and peripheral neurophysiology. Experts in the field will give presentations of significant value for all healthcare professionals who utilize clinical neurophysiology.

This year, the Annual Courses include expanded offerings in peripheral neurophysiology. Also, the courses are organized along tracks that should minimize conflicts for most attendees. As was done in 2016, and due to the continued success and interest in Neurophysiologic Intraoperative Monitoring (NIOM), the course will remain in the two full-day format to accommodate the degree of interest and growth within this rapidly expanding field of clinical neurophysiology. The course directors are working hard to provide attendees with an informative and educational series of presentations.

The Program Committee is pleased to present an impressive selection of sessions for delegates to attend throughout the weekend. There was an outstanding set of session proposals submitted for consideration this year and we are confident that the program content will provide an exciting educational opportunity for all in attendance.

Following the recent success of the Joint International Symposia, we are pleased to announce the inclusion of three sessions co-organized by our colleagues outside the US. We are honored to welcome representatives from the Brazilian Society of Clinical Neurophysiology, the Mexican Society of Clinical Neurophysiology, the Latin American Chapter of IFCN, and the German Society of Clinical Neurophysiology. This year will also feature two sessions with speakers from the IFCN Executive Committee. We hope you will take advantage of this opportunity to learn from and collaborate with our international colleagues.

In addition to the scientific sessions, there will be opportunities for educational entertainment and networking. The annual Neurophys Bowl provides a great night of “edu-tainment” for participants and attendees to test their knowledge in various fields of Clinical Neurophysiology. Additionally, attendees can socialize and network with exhibitors, colleagues and friends during the Welcome Reception on Friday, February 10 in the Exhibit Hall. Saturday evening will feature a keynote lecture from Phillip Pearl, MD, FACNS entitled “Neurology of Musical Masters”.

The 2017 Annual Meeting & Courses will provide an opportunity for education, networking and interaction with the latest technology for attendees in various fields of clinical neurophysiology. We hope to see you in Phoenix!

Sincerely,

Tobias Loddenkemper, MD, FACNS
Course Committee Co-Chair

Saurabh R. Sinha, MD, PhD, FACNS
Course Committee Co-Chair

Meriem Bensalem-Owen, MD, FACNS
Program Committee Co-Chair

Frank W. Drislane, MD, FACNS
Program Committee Co-Chair
About the American Clinical Neurophysiology Society (ACNS)

ACNS' mission is to serve patients and society by empowering members to advance the science, practice and profession of clinical neurophysiology. This mission serves to fulfill the vision to optimize neurologic health through understanding of nervous system function.

Founded in 1946 and originally named the American Electroencephalographic Society (AEEGS), ACNS is the major professional organization in the United States devoted to the establishment and maintenance of standards of professional excellence in clinical neurophysiology in the practice of neurology, neurosurgery and psychiatry. ACNS members utilize neurophysiology techniques in the diagnosis and management of patients with disorders of the nervous system and in research examining the function of the nervous system in health and disease.

Course Committee

CO-CHAIRS:
Tobias Loddenkemper, MD, FACNS
Children's Hospital Boston
Saurabh R. Sinha, MD, PhD, FACNS
Duke University Medical Center

MEMBERS:
Selim Benbadis, MD, FACNS
University of South Florida
Charles M. Epstein, MD, FACNS
Emory University
Gloria M. Galloway, MD, MBA, FACNS
Ohio State University Medical Center
Cecil D. Hahn, MD, MPH, FACNS
Hospital for Sick Children
Susan T. Herman, MD, FACNS
Beth Israel Deaconess Medical Center
Lawrence J. Hirsch, MD, FACNS
Yale University
Aatif M. Husain, MD, FACNS
Aarhus University Medical Center
Ruple Laughlin, MD
Mayo Clinic
Jong Woo Lee, MD, PhD, FACNS
Brigham & Women's Hospital
Jeffrey Liou, MD
Harvard Medical School
Jaime R. Lopez, MD, FACNS
Stanford University
Daniel Menkes, MD, FACNS
William Beaumont Hospital
Marc R. Nuwer, MD, PhD, FACNS
UCLA Medical Center
Phillip Pearl, MD, FACNS
Children's Hospital Boston
Alexander Rotenberg, MD, PhD
Children's Hospital Boston

Elayna Rubens, MD, FACNS
Memorial Sloan Kettering Cancer Center
Seward Rutkove, MD
Beth Israel Deaconess Medical Center
Devon I. Rubin, MD
Mayo Clinic
Mark Scher, MD
Rainbow Babies and Children's Hospital
Stephan U. Schuele, MD, MPH, FACNS
Northwestern University
Asim Shahid, MD
Rainbow Babies and Children's Hospital
Mirela V. Simon, MD, FACNS
Massachusetts General Hospital
Michael R. Sperling, MD, FACNS
Thomas Jefferson University
Nitin Tandon, MD
University of Texas – Houston
William O. Tatum, IV, DO, FACNS
Mayo College of Medicine
Tammy Tsuchida, MD, PhD, FACNS
Children's National Health System
M. Brandon Westover, MD, PhD
Massachusetts General Hospital
Courtney J. Wusthoff, MD
Stanford University

EX-OFFICIO:
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University of Kentucky
Jeffrey Britton, MD, FACNS
Mayo Clinic
Frank W. Drislane, MD, FACNS
Beth Israel Deaconess Medical Center
ACNS Information

Program Committee

CO-CHAIRS:
Meriem Bensalem-Owen, MD, FACNS
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Frank W. Drislane, MD, FACNS
Beth Israel Deaconess Medical Center

MEMBERS:
Nicholas S. Abend, MD
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University of Toledo
Salah A. Almubarak, MD, FRCP, FACNS
Royal University Hospital
Anto Bagic, MD, PhD, FACNS
University of Pittsburgh
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Cleveland Clinic Epilepsy Center
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Neurological Monitoring Associates, LLC
Rafael de Castro, MD
NeuroLife Natal
Elliot Dimberg, MD
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Ronald Emerson, MD, FACNS
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Duke University Medical Center
Cecil D. Hahn, MD, MPH, FACNS
The Hospital for Sick Children
Mark Hallett, MD, FACNS
National Institutes of Health
Abeer Hani, MD
Duke University Hospital Program
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Duke University Medical Center
Akio Ikeda, MD, PhD
Kyoto University Graduate School of Medicine
Adam Juersivich, MD
University of Rochester School of Medicine
Mohammad MU Kabiraj, Sr., MBBS, PhD
Prince Sultan Military Medical City
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Ekrem Kutluay, MD
Medical University of South Carolina
Gowri Lakshminarayan, MD
Stanford University Medical Center
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Jaime R. Lopez, MD, FACNS
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Daniela N. Minecan, MD
University of Michigan Health System
Heidi Munger Clary, MD, MPH
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Christos Papadelis, PhD
Harvard Medical School
Eva K. Ritzl, MD
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Saurabh R. Sinha, MD, PhD, FACNS
Duke University Medical Center

CME Committee

CHAIR:
Gloria Galloway, MD, MBA, FACNS

MEMBERS:
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Vinita J. Acharya, MD
Penn State Hershey Medical Center
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University of Kentucky
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Susan T. Herman, MD, FACNS
Beth Israel Deaconess Medical Center
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Brigham & Women's Hospital
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Dipakkumar Pandya, MD
Hunterdon Neurology
Mirela V. Simon, MD, FACNS
Massachusetts General Hospital
Saurabh R. Sinha, MD, PhD, FACNS
Duke University Medical Center
Christa Swisher, MD
Duke University Medical Center
About the Annual Meeting & Courses

This year’s scientific program will feature the latest scientific advances in clinical neurophysiology presented by leading national and international experts in the field. This dynamic program has more choices than ever including the return of the Joint ACNS and International Society symposia, presentations from IFCN Executive Committee members, and speakers who are experts in their field. The parallel sessions will provide simultaneous sessions for interests in EEG, electrodiagnosis and neurophysiologic intraoperative monitoring.

The meeting also features a number of opportunities for networking, including a Professional Development Mentorship Program in which residents and fellow applicants are paired with senior ACNS members and provided an opportunity to connect. The annual Neurophys Bowl is a mainstay of the Annual Meeting program, allowing members and delegates a chance to challenge their knowledge of clinical neurophysiology in a competitive and entertaining format.

Phoenix Visitor Information

Nearest Airport: Phoenix Sky Harbor International Airport
Phoenix Sky Harbor International Airport (PHX) offers about 1,200 daily flights and services more than 40 million passengers annually. PHX is located 3 miles from downtown Phoenix.

Phoenix’s Metro Light Rail system is accessible by shuttle bus at the airport; bus services also run from Phoenix Sky Harbor Airport to locations in the city and the wider Arizona area.

Average February Temperatures: High 71° F, Low 49° F
Phoenix is the sixth-largest city in the United States with a population of over 1.6 million and by land area, it is larger than New York and Los Angeles combined. Phoenix is also known as the “Valley of the Sun” and is the most populated state capitol in the U.S.

The city offers numerous activities for varying interests. Take a hike up Camelback Mountain or down into the Grand Canyon. Play a round on one of Phoenix’s more than 200 golf courses. Catch a game – Phoenix is one of only a few cities that is home to all 4 professional ports teams including the Phoenix Suns (National Basketball Association), Arizona Diamondbacks (Major League Baseball), Arizona Cardinals (National Football League), and Arizona Coyotes (National Hockey Association). Enjoy an afternoon at one of the many museums or the Desert Botanical Garden. Get out and explore the city!

Headquarters Hotel

Sheraton Grand Phoenix
340 N 3rd Street
Phoenix, AZ 85004
(602) 262-2500

Mobile App

New in 2017, ACNS will offer a free mobile app for meeting attendees. More information to follow. Be sure to document your meeting experience on social media using #ACNS2017!

Important Dates

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<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Advance Registration Open</td>
<td>September 12, 2016</td>
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<tr>
<td>Poster Abstract Submission Open</td>
<td>October 1, 2016</td>
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<tr>
<td>Poster Abstract Submission Deadline</td>
<td>November 15, 2016</td>
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<td>Poster Abstract Decision Notification</td>
<td>December 15, 2016</td>
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<tr>
<td>Housing Deadline</td>
<td>January 15, 2017</td>
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<tr>
<td>Advance Registration Deadline</td>
<td>January 15, 2017</td>
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<tr>
<td>Registration Cancellation Deadline</td>
<td>January 20, 2017</td>
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<tr>
<td>Courses Handout Website Open</td>
<td>January 31, 2017</td>
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<tr>
<td>CME Certificate Program Opens (pre-registered delegates)</td>
<td>February 8, 2017</td>
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<tr>
<td>CME Certificate Program Opens (delegates registering onsite)</td>
<td>March 8, 2017</td>
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<tr>
<td>CME Certificate Claim Deadline</td>
<td>April 3, 2017</td>
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<tr>
<td>Courses Handout Website Closes</td>
<td>April 28, 2017</td>
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</tbody>
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Housing Reservations

A block of rooms has been reserved for ACNS Annual Meeting & Courses delegates at the Sheraton Grand Phoenix. Reservations will be accepted on a space-available basis, at the standard hotel rate after the housing deadline of January 15, 2017. Please reserve your rooms before the deadline to take advantage of the group rate.

ACNS Group Rate: $239/night single/double occupancy

Group rate will be offered three days prior and three days following the dates of the Room Block, based on availability.

Housing Open: Now Open!
Housing Deadline: January 15, 2017

To make reservations online, visit the ACNS website: http://www.acns.org/meetings/annual-meeting-and-courses/2017-annual-meeting-and-courses/housing--travel.

To make reservations by phone, call (602) 262-2500. If making reservations by phone, don’t forget to mention the ACNS Annual Meeting to receive the group rate!

Registration Procedure

Save on registration fees and avoid long lines onsite when you register before the advance deadline of January 15! Online registration is a fast and easy way to register in advance, however, delegates may also register by completing and mailing or faxing the PDF registration form available online or on page 19.

To register online, go to the ACNS website: http://www.acns.org/meetings/annual-meeting-and-courses/2017-annual-meeting-and-courses/registration.

All registrations will be confirmed by email. If you do not receive a confirmation within two weeks of submission, please contact the ACNS Executive Office at (414) 918-9803 or info@acns.org.
Continuing Medical Education (CME) Information

Educational Mission Statement

PURPOSE
The American Clinical Neurophysiology Society (ACNS) is a professional association dedicated to fostering excellence in clinical neurophysiology and furthering the understanding of central and peripheral nervous system function in health and disease through education, research, and the provision of a forum for discussion and interaction.

CONTENT
ACNS is committed to providing continuing medical education to its members and others interested in clinical neurophysiology. Educational objectives include 1) Reviewing current knowledge of clinical neurophysiology including: electroencephalography, evoked potentials, electromyography, nerve conduction studies, intraoperative monitoring, polysomnography and other sleep technology, quantitative neurophysiological methods, magnetoencephalography, sleep disorders, epilepsy, neuromuscular disorders, brain stimulation, brain-computer interfacing, and related areas; and 2) Informing course and meeting attendees of recent technological developments and their implications for clinical practice.

TARGET AUDIENCE
The Society's educational activities are directed to clinical neurophysiologists, neurologists, psychiatrists, physiatrists, neurosurgeons, trainees in these disciplines and other physicians and researchers who utilize clinical neurophysiological techniques and knowledge in the diagnosis and management of patients with disorders of the nervous system.

EXPECTED RESULT
Attendees will improve competence in clinical neurophysiology procedures and incorporate new technological advancements into their practice.

GAPS AND NEEDS
In compliance with the Updated Accreditation Criteria of the Accreditation Council for Continuing Medical Education (ACCME), the Continuing Medical Education Committee of the ACNS has identified “professional practice gaps.” Definition: A “professional practice gap” is the difference between what a health professional is doing or accomplishing compared to what is achievable on the basis of current professional knowledge.

The following professional practice gaps and educational needs were identified by a combined effort of the Program, Course and CME Committees.

Gap 1. Emerging Areas of Practice
Neurophysiologic intraoperative monitoring (NIOM) and intensive care unit EEG monitoring (ICU EEG) are new and rapidly evolving areas of clinical neurophysiology. Few practicing neurologists have adequate training in these techniques, and physicians with competence in these areas are in great demand. Educational activities should cover both basic methodologies for those practitioners new to ICU EEG and NIOM, and innovative techniques.

Gap 2. General Practice of Clinical Neurophysiology
Clinical neurophysiology procedures are performed by a large proportion of practicing US neurologists, many of whom have little or no formal training in clinical neurophysiology. Many clinical neurophysiology procedures (e.g. evoked potentials, invasive EEG) are performed at low volume at most centers, and a forum for review and hands-on interpretation are essential to maintain competence in these areas.

Several specific topics with significant gaps between current practice and ideal practice have been identified via review of the literature, review of clinical neurophysiology fellowship curricula, and surveys of ACNS members and Annual Meeting attendees. These include:

- Peripheral neurophysiology, Pediatric EMG, critical illness related neurophysiology, and muscle ultrasound
- Basic EEG: Identification of normal variants, identification of artifacts, clinical correlation
- Pediatric EEG, especially neonatal EEG
- Digital EEG processing, e.g. quantitative EEG and trends for use in the intensive care unit, source localization, coregistration with neuroimaging, etc.
- Full band EEG, Ultrafast and ultraslow EEG
- NIOM: Motor evoked potentials, guidelines and standards of care for NIOM (e.g. indications, cost effectiveness)
- Evoked potentials: Current role of short- and long-latency EPs
- Video-EEG monitoring, especially invasive EEG
- Sleep, Use of new scoring system, implications for patient care

CHANGES IN BEHAVIOR/PRACTICE
It is intended that, as a result of attending the meeting and/or courses, physician attendees will be able to identify changes in competence or performance that are desirable. Definitions: “Competence” is knowing how to do something. “Performance” is what the physician would do in practice, if given the opportunity.

EVALUATION
The updated ACCME accreditation criteria are designed to integrate with the new requirements for maintenance of certification (for more information see www.ABPN.org). Physicians are expected to perform self-assessments of their practice, but the ACNS, as an organization accredited by the ACCME, is expected to measure how its educational activities assist physicians in this activity. Thus, there are new questions in the evaluation form. These questions address your intended changes in competence or performance. In a few months, we will contact all physician meeting attendees to ask you if you actually HAVE experienced changes in competence or performance. Your responses, now and in the future, will assist us and ultimately you in determining educational activities that are most useful to you.

POLICY ON FINANCIAL DISCLOSURES
It is the policy of ACNS to ensure balance, independence, objectivity and scientific rigor in all its individually sponsored or jointly sponsored educational programs. In order to comply with the ACCME's Updated Standards for Commercial Support, ACNS requires that anyone who is in a position to control the content of an educational activity discloses all relevant financial relationships with any commercial interest pertaining to the content of the presentation. Should it be determined that a conflict of interest exists as a result of a financial relationship of a planner of the CME activity, the planner must recuse himself or herself from the planning for that activity or relevant portion of that activity. All presentations for which the presenter disclosed a potential conflict of interest are peer reviewed by two members of the ACNS CME Committee with no relationships. If bias is found, the presenter is asked to make changes to the presentation and it is re-reviewed for bias before final approval. Refusal to disclose a conflict or the inability to resolve an identified conflict precludes participation in the CME activity. Complete conflict of interest disclosure information is printed in the final program for the activity. A learner may request additional information regarding the nature of a planner or speaker’s disclosure if “No Relevant Relationships” has been indicated below. To request additional information, contact the ACNS Executive office at info@acns.org.
Meeting Description

The ACNS Annual Meeting & Courses are designed to provide a solid review of the fundamentals and the latest scientific advances in both “central” and “peripheral” clinical neurophysiology. Presentations at the Annual Meeting & Courses are given by leading experts in the field and have value for health care professionals who utilize clinical neurophysiology. Sessions include symposia, workshops, courses and Special Interest Groups, featuring didactic lectures, expert panels, debates and interactive formats. Poster presentations at the Annual Meeting highlight the latest work conducted at clinical neurophysiology centers around the country.

Annual Courses Learning Objectives

At the end of the Annual Courses, the participant will be able to:

1. Describe the indications for use of clinical neurophysiology techniques in diagnosis of disorders of the nervous system; and
2. Incorporate new neurophysiology procedures and technological advances into his/her own clinical practice; and
3. Perform and interpret a broad range of clinical neurophysiology procedures, and integrate the results of these tests into comprehensive patient management plans.

Annual Meeting Learning Objectives

At the end of the Annual Meeting, the participant will be able to:

1. Discuss recent advances in electroencephalography, evoked potentials, ALS, magnetoencephalography, practice technologies, nerve conduction studies and other clinical neurophysiology techniques; and
2. Apply advances in clinical neurophysiology techniques to improve the diagnosis of neurologic disorders.

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the sponsorship of ACNS. ACNS is accredited by ACCME to provide continuing medical education for physicians.

Credit Designation

ACNS designates the Annual Meeting for a maximum 18.75 AMA PRA Category I Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

ACNS designates the Annual Courses for the maximum number of AMA PRA Category 1 Credit(s)™.

Applied Cases in Central Neurophysiology & Video-EEG

1.5 AMA PRA Category I Credit(s)™

EEG/EMG/NIOM Technology

1.5 AMA PRA Category I Credit(s)™

Neurophysiologic Intraoperative Monitoring (NIOM) Part I

6.5 AMA PRA Category I Credit(s)™

Intensive Care Unit EEG Monitoring (ICU EEG)

6.25 AMA PRA Category I Credit(s)™

Introduction Stereo-EEG

1.5 AMA PRA Category I Credit(s)™

Non-Invasive Brain Stimulation Technology

1.5 AMA PRA Category I Credit(s)™

Autonomic Neurophysiology

1.5 AMA PRA Category I Credit(s)™

EMG

4.25 AMA PRA Category I Credit(s)™

Neurophysiologic Intraoperative Monitoring (NIOM) Part II

6.5 AMA PRA Category I Credit(s)™

Electrocorticography (ECoG)/Invasive EEG

6.5 AMA PRA Category I Credit(s)™

4th Annual CNP Program Director’s Symposium

2 AMA PRA Category I Credit(s)™

Applied Cases in Peripheral Neurophysiology

2 AMA PRA Category I Credit(s)™

Video-EEG

3 AMA PRA Category I Credit(s)™

Evoked Potentials

2.75 AMA PRA Category I Credit(s)™

Neonatal & Pediatric EEG

3 AMA PRA Category I Credit(s)™
Call for Poster Abstracts

Submission Dates
Poster abstract submission will open on October 1, 2016. All abstracts must be submitted online by Sunday, November 15, 2016 at 11:59pm ET. No exceptions will be made.

Online Abstract Submission
Poster abstracts must be submitted through the ACNS website. Complete instructions for submission are available online. Abstracts that have been mailed, emailed or faxed will not be accepted. Anyone may submit a poster abstract to ACNS. Membership in ACNS is not required for poster abstract submission.

Abstract Review
All abstracts submitted will be reviewed, evaluated for scholarly and relevant content, and graded in blinded fashion by the ACNS Program Committee. The review process takes approximately four weeks, and acceptance notification will be made by email no later than December 15, 2016.

Abstract Categories
Abstracts submitted to the 2017 ACNS Annual Meeting must fit into one of the following categories to be considered for presentation:
- Autonomic Function and its Disorders
- Basic Neurophysiology
- Critical Care Monitoring
- Deep Brain and Cortical Stimulation
- Digital/Quantitative EEG and Topography
- EEG
- EMG/NCV Testing
- Epilepsy: Clinical
- Epilepsy: Pathophysiology
- Evoked Potentials
- Functional Imaging
- Intraoperative Monitoring
- Magnetoencephalography
- Peripheral Neuropathy/Neuromuscular
- Sensory/Motor Physiology
- Sleep
- Video-EEG Monitoring for Epilepsy

Abstract Types
Two types of poster abstracts submissions will be accepted: Poster Abstract Regular Submission or Poster Abstract Case Report Submission. Both types of submissions will follow the same review process. Abstract tiles are limited to 60 characters and 200 words for the additional required fields listed below for each submission type:

POSTER ABSTRACT REGULAR SUBMISSION
Introduction
Methods
Results
Conclusion

POSTER ABSTRACT CASE REPORT SUBMISSION
Introduction
Case Report/Case History
Conclusion

Previous Publication or Presentation
Abstracts which have been published in journals, meeting proceedings, or other publication, as well as those presented at meetings prior to the ACNS meeting are eligible and welcome for submission. All poster abstracts presented at the Annual Meeting will be published in the Journal of Clinical Neurophysiology.

Author Attendance Requirement
By submitting an abstract to 2017 ACNS Annual Meeting, abstract authors are agreeing that at least one author will attend the meeting and will be available to present on the date and time assigned by the Program Committee. Authors will be notified of presentation dates and times at the time of notification of acceptance and are expected to make appropriate travel arrangements to ensure that at least one of the abstract’s authors will be in attendance. In addition, presenting authors are expected to register to attend the meeting by the deadline set forth in their acceptance notification. Abstracts for which an author is not pre-registered by the dates set forth will automatically be withdrawn from the program. Poster setup is tentatively scheduled for Thursday, February 9 and displayed Friday, February 10 – Saturday, February 11, 2017.

Poster Cancellation Policy
At least one author or co-author on all posters is expected to register to attend the meeting for which they are accepted by the deadlines set forth in their acceptance notification. If this author cancels their registration prior to the meeting, the poster may be withdrawn from the program.

Important Dates to Remember

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>October 1, 2016</td>
<td>Poster Abstract Submission Open</td>
</tr>
<tr>
<td>November 15, 2016</td>
<td>Poster Abstract Submission Closes</td>
</tr>
<tr>
<td>December 1, 2016</td>
<td>Young Investigator Travel Awards Announced</td>
</tr>
<tr>
<td>December 15, 2016</td>
<td>Poster Abstract Acceptance Notifications Sent</td>
</tr>
</tbody>
</table>

Submit online at www.acns.org!
Young Investigator Travel Award

Several young physician investigators will be awarded travel fellowships of $1,000 each. These fellowships are determined based upon the ranking of the applicant’s abstract by the Program Committee.

Eligibility Criteria

Applicant must be: (1) a current ACNS member or apply for membership concurrent with application for Travel Award; (2) a resident, fellow, or junior faculty within two years of completion of fellowship training; and (3) be the first author of an abstract submitted to the Annual Meeting. Applicant must meet the entire aforementioned criteria in order to be considered for the Young Investigator Travel Award. Prior recipients of Travel Fellowships are not eligible for additional Travel Fellowship awards.

Selection

Awardees will be chosen based on the quality of submitted abstracts, as ranked by the ACNS Program Committee. A total of six travel fellowships will be awarded for the ACNS 2017 Annual Meeting. Additional travel awards may be awarded if funding is available.

Award

Awardees will receive complimentary registration for the meeting and reimbursement of travel funds up to $1,000, upon provision of an expense voucher, and original receipts. Awardees will be recognized at an award ceremony during the Annual Meeting. Awards are one-time only.

Procedures

Upon close of abstract submission, the ACNS Program Committee will review, evaluate, and rank abstracts, including all candidates for consideration to receive a travel award. The Program Committee Co-Chairs will select the final six awardees based on the collective rankings from the Program Committee. ACNS will notify awardees of decision no later than December 1, 2016. Awardees will then be expected to accept invitation by the deadlines set forth in their acceptance notifications, as well as register for the Annual Meeting, and secure travel arrangements. Upon provision of an expense voucher, including original receipts, reimbursement will be provided to award recipients, no later than 30 days after the Annual Meeting.

Cancellation Policy

Award recipients are expected to register to attend the Annual Meeting by the deadlines set forth in their acceptance notification. If an award recipient cancels their registration prior to the meeting, the Travel Award may be withdrawn from the individual and designated to another candidate.
Award Recipients & Lectures

Friday, February 10, 2017

2017 PIERRE GLOOR AWARD PRESENTATION & LECTURE
Charles M. Epstein, MD, FACNS

The Gloor Award is presented annually for outstanding current contributions to clinical neurophysiology research. Dr. Epstein will be recognized and will deliver the 2017 Gloor Address on Friday, February 10, 2017 at the ACNS Annual Meeting. Dr. Epstein is Professor of Neurology at Emory University School of Medicine in Atlanta, Georgia and a former president of ACNS.

Saturday, February 11, 2017

2017 HERBERT H. JASPER AWARD PRESENTATION & LECTURE
"The Epileptogenic Zone"
Hans Lüders, MD, PhD, FACNS

The Jasper Award is presented annually to an individual who has made a lifetime of outstanding contributions to the field of clinical neurophysiology. Dr. Lüders will be recognized during a general session on Saturday, February 11, 2017. Dr. Lüders is a Professor in the Department of Medicine at Cleveland Clinic Lerner College of Medicine of Case Western Reserve in Cleveland.

2017 ROBERT S. SCHWAB AWARD
"Modern Clinical Neurophysiology in ALS-Tracing Lower & Upper Motor Neuron Involvement"
Reinhard Dengler, MD

The Schwab Award is presented annually to an individual who has made significant contributions in the area of clinical neurophysiology. Dr. Dengler will be recognized and will deliver the 2017 Schwab Lecture on Saturday, February 11, 2017. Dr. Dengler is the Chairman and a Professor of Neurology at Hannover Medical School.
Annual Courses Program
Wednesday, February 8, 2017

6:30-9:30AM
Continental Breakfast

7:00-8:30AM
801: EEG/EMG/NIOM Technology
Co-Directors: Susan T. Herman, MD, FACNS & Seward Rutkove, MD
7:00am EMG Technology
Seward Rutkove, MD
7:45am EEG Technology
Susan T. Herman, MD, FACNS

7:00-8:30AM
802: Applied Cases in Central Neurophysiology & Video EEG
Co-Directors: Selim R. Benbadis, MD, FACNS & William O. Tatum, IV, DO, FACNS
This session will be a fast paced, interactive “show & tell” where audience participation is encouraged. Several challenging EEGs and videos will be presented & lively discussion between the course directors & the audience.

9:00AM-5:00PM
811: Neurophysiologic Intraoperative Monitoring (NIOM) Part I
Co-Directors: Aatif M. Husain, MD, FACNS & Mirela V. Simon, MD, MSc, FACNS

9:00am Welcome & Introductions
9:05am SEP Monitoring
Viet Nguyen, MD, FACNS
9:45am MEP Monitoring
Leslie H. Lee, MD FACNS
10:25am Morning Break
10:40am BAEP Monitoring
Alan D. Legatt, MD, PhD, FACNS
11:00am EEG Monitoring
Michael McGarvey, MD, FACNS
12:00pm Discussion
12:15pm Lunch
1:15pm EMG & Peripheral Nerve Monitoring
Gloria M. Galloway, MD, MBA, FACNS
1:55pm Cranial Nerve Monitoring
Jaime R. Lopez, MD, FACNS
2:35pm Anesthesia
Patrick Bolton, MD
3:15pm Afternoon Break
3:30pm Troubleshooting
Jay L. Shils, PhD, DABNM, FACNS
4:10pm Billing Issues
Marc R. Nuwer, MD, PhD, FACNS
4:50pm Discussion

9:00AM-5:00PM
812: Intensive Care Unit EEG Monitoring (ICU EEG)
Co-Directors: Jong Woo Lee, MD, PhD, FACNS & Courtney J. Wusthoff, MD, FACNS

9:00am Overview of ICU EEG Monitoring in Neonates, Children & Adults
Nicholas Abend, MD, FACNS
9:40am Guidelines & Logistics of ICU EEG Monitoring
Susan T. Herman, MD, FACNS
10:10am cEEG Interpretation: Background, Reactivity, Artifacts, & ACNS Terminology
Lawrence J. Hirsch, MD, FACNS
10:40am Morning Break
11:00am cEEG Interpretation: The Ictal-Interictal Continuum
Suzette M. LaRoche, MD, FACNS
11:30am Treatment of Nonconvulsive Seizures & Status Epilepticus
Aatif M. Husain, MD, FACNS
12:00pm Lunch
1:00pm ICU EEG Reading Session: Adult Cases
Elizabeth Gerard, MD, FACNS
1:15pm cEEG Interpretation: Neonates
Tammy Tsuchida, MD, PhD, FACNS
1:45pm ICU EEG Reading Session: Neonatal & Pediatric Cases
William B. Gallentine, DO, FACNS
2:00pm Finances, Billing & Coding
Marc R. Nuwer, MD, PhD, FACNS
2:30pm Quantitative EEG for Seizure Detection
Cecil D. Hahn, MD, MPH, FACNS
3:00pm Afternoon Break
3:20pm Quantitative EEG for Ischemia Detection
M. Brandon Westover, MD, PhD
3:50pm Multimodal Monitoring in Acute Brain Injury
Jan Claassen, MD, PhD
4:30pm cEEG of Anoxic Brain Injury & Targeted Temperature Management
Jeffrey Britton, MD, FACNS
Thursday, February 9, 2017

6:30-9:30AM  
**Continental Breakfast**

7:00-8:30AM  
**901: Stereo-EEG**  
Co-Directors: Stephan U. Schuele, MD, MPH, FACNS & Nitin Tandon, MD  
7:00am Patient & Electrode Selection  
Stephan U. Schuele, MD, MPH, FACNS  
7:30am Image Processing & Surgical Planning  
Giridhar Kalamangalam, MD, DPhil, FACNS  
8:00am Nuts & Bolts of SEEG Implantation  
Nitin Tandon, MD

7:00-8:30AM  
**902: Non-invasive Brain Stimulation Technology**  
Co-Directors: Charles Epstein, MD, FACNS & Alexander Rotenberg, MD, PhD  
7:00am The Basics of TMS & TDCS: Circuits, Physics, & Specific Neuronal Elements  
Charles M. Epstein, MD, FACNS  
7:45am Putting the Pieces Together: Ion-Channels, Transmitters, Classic & Contemporary Studies in Non-invasive Brain Stimulation  
Alexander Rotenberg, MD, PhD

7:00-8:30AM  
**903: Autonomic Neurophysiology**  
Co-Directors: Jeffrey Liou, DO & Claus Reinsberger, MD, PhD, FACNS  
7:00am Introduction  
7:05am Anatomy & Physiology of the Autonomic Nervous System  
Jeffrey Liou, DO  
7:40am Neurological Disorders with Central Autonomic Failure  
Alexandra Hovaguimian, MD  
8:05am Peripheral Autonomic Failure  
Brent Goodman, MD

9:00AM-2:30PM  
**911: EMG**  
Co-Directors: Daniel Menkes, MD, FACNS & Devon Rubin, MD, FACNS  
9:00am Pitfalls of NCS  
Devon I. Rubin, MD, FACNS  
9:45am Electrodiagnostic Evaluation of Peripheral Neuropathy  
Daniel Menkes, MD, FACNS  
10:30am Morning Break  
10:45am Electrodiagnostic Approach to Neuromuscular Junction Disorders  
Brent Goodman, MD  
11:30am Electrodiagnostic Features of Hyperexcitable Nerve Syndromes  
Ruple Laughlin, MD

12:15pm  
Lunch

1:15pm  
EMG Waveform Identification  
Devon I. Rubin, MD, FACNS

9:00AM -5:00PM  
**921: Neurophysiologic Intraoperative Monitoring (NIOM) Part II**  
Co-Directors: Aatif M. Husain, MD, FACNS & Mirela V. Simon, MD, MSc, FACNS  
9:00am Welcome & Introductions  
9:05am Motor Mapping & Monitoring  
Charles Yingling, PhD, FACNS  
9:45am Medicolegal & Business Issues  
George R. Lee, MD  
10:25am Morning Break  
10:40am Value of NIOM  
John Ney, MD, MPH  
11:20am Pedicle Screw Evaluation  
Bernard Allen Cohen, PhD, FACNS FASNM  
12:00pm Q & A Discussion  
12:15pm Lunch  
1:15pm Language Mapping  
David Gloss, MD, FACNS  
1:55pm Electrocorticography  
Mirela V. Simon, MD, FACNS  
2:35pm Pelvic Floor Monitoring  
Stanley Skinner, MD, FACNS  
3:15pm Afternoon Break  
3:30pm D Wave Monitoring with Case Discussions  
Eva K. Ritzl, MD, FACNS  
4:10pm Sensory & Motor Spinal Cord Mapping  
Andres Gonzalez, MD, MMM, FACNS  
4:50pm Discussion

9:00AM-5:00PM  
**922: Electrocorticography (ECoG) & Intracranial EEG**  
Co-Directors: Lawrence J. Hirsch, MD, FACNS & Stephan U. Schuele, MD, MPH, FACNS  
9:00am Introduction & Overview  
9:15am Temporal Lobe Epilepsy: When to do Invasive Monitoring & How to Choose Electrode Type  
Giridhar Kalamangalam, MD, DPhil, FACNS  
9:45am Extratemporal Epilepsy: When to do Invasive Monitoring & How to Choose Electrode Type  
Stephan U. Schuele, MD, MPH, FACNS  
10:15am Surgical Techniques Including Risks of Invasive Implantations  
Daniel J. Curry, MD  
10:45am Morning Break
### Annual Courses Program

#### Thursday, February 9, 2017

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| 11:00am | Patterns of Seizure Onsets & Spread, Underlying Pathological Substrate & Outcomes  
  Lawrence J. Hirsch, MD, FACS |
| 11:30am | Intracranial EEG in Children  
  Juan Bulacio, MD |
| 12:00pm | Lunch |
| 1:00pm  | Concept of “Epileptogenic Zones/Networks” & Identifying them with Invasive EEG  
  TBD |
| 1:45pm  | Case Discussion I: Nonlesional Neocortical Epilepsy  
  Jay Gavvala, MD |
| 2:05pm  | Case Discussion II: FCD: ECoG vs. Invasive Implantation  
  Lawrence J. Hirsch, MD, FACS |
| 2:25pm  | Case Discussion III: FCD: Bitemporal Lobe Epilepsy  
  Christopher Skidmore, MD |
| 2:45pm  | Discussion |
| 3:00pm  | Afternoon Break |
| 3:15pm  | Functional Mapping with Intracranial EEG & Cortical Stimulation  
  Anthony Ritaccio, MD |
| 4:00pm  | Wideband Intracranial EEG & Localization of Seizure Foci  
  Jean Gotman, PhD, FACS |
| 4:45pm  | Discussion |

#### Friday, February 10, 2017

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| 7:00-10:00AM | **1301: Video-EEG**  
  Co-Directors: Phillip Pearl, MD, FACS & Michael R. Sperling, MD, FACS |
| 7:00am  | How to Build & Structure a Video-EEG Monitoring Unit  
  William O. Tatum, IV, DO, FACS |
| 7:30am  | Video Analysis of Ictal Behaviors  
  Nancy Foldvary-Schaefter, DO |
| 8:00am  | Scalp EEG in Epilepsy  
  Phillip Pearl, MD, FACS |
| 8:30am  | Intracranial EEG  
  Michael R. Sperling, MD, FACS |
| 9:00am  | Case Studies  
  Christopher Skidmore, MD |

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| 7:00-10:00AM | **1302: Evoked Potentials**  
  Co-Directors: Viet Nguyen, MD, FACS & Elayna Rubens, MD, FACS |
| 7:00am  | Introduction & Visual Evoked Potentials (VEPs)  
  Elayna Rubens, MD, FACS |
| 7:30am  | Somatosensory Evoked Potentials (SEPs)  
  Steven Karceski, MD |

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| 7:00AM-2:00PM | **931: 4th Annual CNP Program Director’s Symposium**  
  Director: Jeffrey Britton, MD, FACS |
| 11:30am | Lunch |
| 12:00pm | Fellowship Match - Pros & Cons  
  Jeffrey Britton, MD, FACS |
| 12:30pm | Education Innovations you can Initiate Tomorrow  
  Jeffrey Britton, MD, FACS  
  Lily Wong-Kisiel, MD  
  Jay S. Pathmanathan, MD, PhD |
| 1:30pm  | Words to the Wise from ACGME  
  Imran I. Ali, MD, FACS |

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| 3:00-5:00PM | **941: Applied Cases in Peripheral Neurophysiology**  
  Co-Directors: Ruple Laughlin, MD & Jaime R. López, MD, FACS |
| 3:00pm  | Introduction |
| 3:05pm  | Applied Cases in Neuropathy  
  Ruple Laughlin, MD |
| 3:55pm  | Applied Cases in Neuromuscular Junction Disorders  
  Julie Khoury, MD |
| 4:25pm  | Applied Cases in Myopathies & Myotonic Disorders  
  Amy Visser, MD |
| 4:50pm  | Wrap Up & Panel Discussion |

### Friday, February 10, 2017

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| 7:00-10:00AM | **1303: Neonatal & Pediatric EEG**  
  Co-Directors: Mark Scher, MD & Asim Shahid, MD |
| 7:00am  | Practice & Pitfalls of Neonatal EEG  
  Mark Scher, MD |
| 8:00am  | Discussion |
| 8:35am  | Break |
| 8:45am  | EP Examples & Case Discussions  
  Viet Nguyen, MD, FACS (Moderator)  
  Aatif M. Husain, MD, FACS  
  Steven Karceski, MD  
  Alan D. Legatt, MD, PhD, FACS  
  Elayna Rubens, MD, FACS  
  Reza Zarnegar, DO, FACS |

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| 7:00AM-10:00AM | **1303: Neonatal & Pediatric EEG**  
  Co-Directors: Mark Scher, MD & Asim Shahid, MD |
| 7:00am  | Practice & Pitfalls of Neonatal EEG  
  Mark Scher, MD |
| 8:00am  | Challenges of Pediatric EEG Interpretation  
  Jun Park, MD |
| 9:00am  | Use of Signal Processing in Pediatric & Neonatal EEG  
  Kenneth Loparo, PhD |
Annual Meeting Program
Friday, February 10, 2017

10:00-10:30AM
Coffee Break – Visit Exhibits & Poster Viewing

10:30AM-12:15PM
Opening General Session
10:30am Welcome
10:40am President’s Lecture
Jonathan C. Edwards, MD, FACNS
11:30am Gloor Award Presentation & Lecture
Charles M. Epstein, MD, FACNS

12:15-1:30PM
Lunch- Visit Exhibits & Poster Tours

1:30-3:30PM
Concurrent Sessions
1011: IFCN Symposium: Movement Control – The Clinical Neurophysiologist’s Perspective
Session Director: Mark Hallett, MD, FACNS
1:30pm Motor Cortex Function Tested by Transcranial Magnetic Stimulation
Ulf Ziemann, MD
2:00pm Cerebellar Stimulation & Prism Adaptation
Yoshikazu Ugawa, MD
2:30pm Brain Reactions to the Use of Robotic Hand in Amputees
Paolo Maria Rossini, MD, PhD
3:00pm The Physiology of Will
Mark Hallett, MD, FACNS

1012: Epileptic Encephalopathy with CSWS: An Overview & Practical Approach
Session Director: Kevin Chapman, MD
1:30pm What’s in a Name – ESES/CSWS Definition & Evaluation
Ivan Sanchez Fernandez, MD
2:05pm What is the Influence of Spikes on Cognitive Impairment?
Jennifer Vannest, PhD
2:40pm The Treatment of ESES/CSWS – Options & Practical Approaches
Tobias Loddenkemper, MD, FACNS
3:15pm Discussion

1013: Clinical Neurophysiology Around the World
Session Director: Ioannis Karakis, MD, PhD, MSc
1:30pm Clinical Neurophysiology in Africa
Jaffar Khan, MD
2:05pm Clinical Neurophysiology in Asia
Chong Tin Tan, MD, FRCP
2:40pm Clinical Neurophysiology in South America
Jorge G. Burneo, MD
3:15pm Clinical Neurophysiology in the Western World
Ioannis Karakis, MD, PhD, MSc

1:30-3:00PM
Tips & Tricks for MEP in Spinal Surgery
Session Director: David Gloss, MD, FACNS
1:30pm Evidence for MEPs in Spinal Surgery
David Gloss, MD, FACNS
2:00pm Tips & Tricks for MEPs in Spinal Surgery
Eva K. Ritzl, MD, FACNS
Mirela V. Simon, MD, MSc, FACNS

3:30-4:00PM
Coffee Break

4:00-5:30PM
Concurrent Sessions
1021: Clinical Neurophysiology as a Window to Consciousness
Session Director: Meriem Bensalem-Owen, MD, FACNS
4:00pm Introduction – Epilepsy as a Model for the Study of Consciousness
Meriem Bensalem-Owen, MD, FACNS
4:10pm The Role of Clinical Neurophysiology in the Evaluation of Coma & Disorders of Consciousness
Peter W. Kaplan, MD, FRCP, FACNS
4:35pm Sleep & the Different States of Consciousness
Madeleine M. Grigg-Damberger, MD, FACNS
5:00pm Syncope & the Borderland of Consciousness
Kevin Nelson, MD
5:25pm Discussion

1022: Mapping Epileptogenic & Functional Cortex in Tumor-Related Epilepsy
Session Director: Stephan U. Schuele, MD, MPH, FACNS
4:00pm Diagnostic Video EEG Monitoring of Brain Tumors
Jessica W. Templer, MD
4:20pm Presurgical Evaluation in Tumor-Related Epilepsy
Stephan U. Schuele, MD, MPH, FACNS
4:45pm Functional Mapping
Jeffrey Politsky, MD, FRCP(c)
5:10pm ECoG vs. Invasive EEG to Identify Seizure Focus in TRE
Michael R. Sperling, MD, FACNS

1023: Clinical Neurophysiology Around the World
Session Director: Ioannis Karakis, MD, PhD, MSc
4:00pm Clinical Neurophysiology in Africa
Jaffar Khan, MD
4:25pm Clinical Neurophysiology in Asia
Chong Tin Tan, MD, FRCP
4:50pm Clinical Neurophysiology in South America
Jorge G. Burneo, MD
5:15pm Clinical Neurophysiology in the Western World
Ioannis Karakis, MD, PhD, MSc

1024: SIG: Clinical Neurophysiology Resident & Fellows Special Interest Group
Session Director: Andrea Hakimi, DO, FACNS
This session will highlight cases submitted by Residents and Fellows on a variety of Clinical Neurophysiology topics or quality improvement projects.
1025: Joint Symposium ACNS/Mexican Society of Clinical Neurophysiology: Beyond Rhythms & Spikes: How the EEG Can Reveal the Dysfunctional Dynamics of Complex Networks in Psychiatric & Neurodevelopmental Disorders
Session Directors: Claudia Paz, MD & Armando Tello, MD, PhD
4:00pm The Crossroads of Anxiety: Distinct Neurophysiological Maps for Different Symptomatic Groups
Montserrat Gerez, MD, PhD
4:25pm Praxis & Visuo-Motor Network Function in Healthy Subjects & Autism Spectrum Disorders (ASD)
Joshua Ewen, MD, FACNS
4:50pm QEEG in Obsessive Compulsive Disorder
Humberto Nicolini, MD, PhD
5:30-5:45PM
Walking Break
5:45-7:00PM
Neurophys Bowl
7:00-8:30PM
Welcome Reception

Saturday, February 11, 2017

7:00-8:00AM
Continental Breakfast – Visit Exhibits & Posters

8:00-9:30AM
Concurrent Sessions
1111: Interpreting Challenging NCS & Needle EMG Findings - An Interactive Case-Based Approach
Session Director: Devon I. Rubin, MD, FACNS
8:00am Challenging NCS & Needle EMG Findings - 1
Paul E. Barkhaus, MD
8:30am Challenging NCS & Needle EMG Findings - 2
Elliott Dimberg, MD, FACNS
9:00am Challenging NCS & Needle EMG Findings - 3
Devon I. Rubin, MD, FACNS

1112: Aggressiveness of Treatment of Refractory Status Epileptics: A Clinical Neurophysiology Approach
Session Director: Frank W. Drislane, MD, FACNS
8:00am Patients with Refractory Status Epilepticus should be Treated Aggressively
Lawrence J. Hirsch, MD, FACNS
8:30am Aggressive Treatment of Patients with Refractory Status Epilepticus can be Dangerous for Their Health
Peter W. Kaplan, MD, FRCP, FACNS
9:00am Trying to get the Best of Both Positions
Frank W. Drislane, MD, FACNS

1113: Competing Techniques for Refining the Location of the Epileptogenic Zone: Magnetoencephalography & High Density EEG
Session Director: Richard C. Burgess, MD, PhD, FACNS
8:00am Comparison of Intracranial EEG Potentials with Source Localization from Scalp EEG & MEG: Location Accuracy & Implantation Guide
Eliane Kobayashi, MD, PhD
8:30am Simultaneous High Density Scalp EEG & MEG
Robert C. Knowlton, MD
9:00am Theoretical & Practical Considerations for Localization of the Epileptogenic Zone from High Density EEG & MEG
Richard C. Burgess, MD, PhD, FACNS

1114: Cortical Stimulation: Theory & Practice
Session Director: Giridhar Kalamangalam, MD, DPhil, FACNS
8:00am Physiology of Non-Invasive Cortical Stimulation
Mark Hallett, MD, FACNS
8:20am Measuring & Modifying Cortical Excitability with AEDs
Ulf Ziemann, MD
8:40am Modelling the Effects of Cortical Stimulation: Afterdischarge
Giridhar Kalamangalam, MD, DPhil, FACNS
9:00am From Science to Bedside: Eloquent Function Mapping
Anthony L. Ritaccio, MD
9:20am Panel Discussion
1115: Joint ACNS/AECN (Argentinian Society)
Symposium: Innovations in
NIOM Interpretation
Session Director: Martin J. Segura, MD, PhD

8:00am A New Warning Criterion for MEP-NIOM & an
Alternative Gold Standard to Better Identify “False
Positive” Findings
Martin J. Segura, MD, PhD

8:25am Proposed Algorithm for Decision Making in the
Face of Neurophysiological Alarms During Spinal
Deformity Surgeries
Ricardo J. Ferreira, MD

8:50am New Alarm Criteria for SEP/BAEP Monitoring
Parthasarathay Thirumala, MD, FACNS

9:15am Discussion

9:30-10:00AM
Coffee Break – Visit Exhibits & Poster Viewing

10:00-11:00AM
General Session

10:00am Young Investigator Travel Award Presentation

10:15am Jasper Award Presentation & Lecture: The
Epileptogenic Zone
Hans Lüders, MD, PhD, FACNS

11:00-11:15AM
Walking Break

11:15AM-12:45PM
Concurrent Sessions

1131: IFCN Symposium: The Clinical
Neurophysiology of Neuromuscular
Disease
Session Director: TBD

11:15am Action Potential & Impulse Conduction in Human
Myelinated Axons
David Burke, MD, DSc

11:45am SFEMG in Neuromuscular Disease
Lying Cui, MD

12:15pm Evaluation of Sensory Neuropathies
Renato Verdugo, MD

1132: Consensus for Recording & Analysis of Wide-Band
EEG in Clinical Epilepsy
Session Director: Akio Ikeda, MD, PhD

11:15am Interictal Slow Shifts by Macroinvasive Electrodes
Akio Ikeda, MD, PhD

11:35am Ictal Slow Shifts by Macroinvasive Electrodes
Pradeep Modur, MD, FACNS

11:55am High Frequency Oscillation (HFO) by
Microelectrodes
Greg Worrell, MD

12:15pm High Frequency Oscillation (HFO) by Macroinvasive
Recording
Jean Gotman, PhD, FACNS

1133: Uso de EEG en Cuidado Intensivo (Use of EEG in the
ICU)
Note: This session will be presented in Spanish.
Session Director: Adriana Bermeo-Ovalle, MD, FACNS

11:15am Aspectores Tecnicos, Limitaciones y Ventajas del uso
de EEG en la UCI (Technical Aspects, Advantages &
Limitations of the Use of EEG in the ICU)
Adriana S. Tanner, MD

11:40am Patrones Confusos de EEG en la UCI: Status
Triphasis vs. Status Epileptics (Patterns in the
ICU: Status Triphasis vs. Status Epileptics)
Andres M. Kanner, MD

12:05pm Principios y uso de EEG Cuantitativo en UCI
(Principles & Use of qEEG in ICU)
Adriana Bermeo-Ovalle, MD, FACNS

12:25pm Uso de EEG para Diagnostico y Manejo de
Status Epileptics (Use of EEG for Diagnosis &
Management of Status Epileptics)
Juan G. Ochoa, MD

12:45-1:30PM
Lunch- Visit Exhibits & Posters

1:30-2:00PM
Annual Business Meeting

2:00-3:30PM
Concurrent Sessions

1151: Nerve Conduction Testing in Entrapment Neuropathies
Session Director: Gloria M. Galloway, MD, MBA, FACNS

2:00pm Common Entrapments of the Upper Extremities
Gloria M. Galloway, MD, MBA, FACNS

2:15pm Common Entrapments of the Lower Extremities
Mark Ross, MD, FACNS

2:30pm Workshop Skills Session
Jaime R. Lopez, MD, FACNS

3:00pm Workshop Skills Session
Gloria M. Galloway, MD, FACNS
Mark Ross, MD, FACNS
1152: Advances in Prognostication & Management of Coma Following Cardiac Arrest
Session Director: M. Brandon Westover, MD, PhD
2:00pm Self-Fulfilling Prophecies, Moral Dilemmas, & the Need for Quantitative Knowledge in Hypoxic Ischemic Encephalopathy
M. Brandon Westover, MD, PhD
2:10pm Advances in the Qualitative & Quantitative Interpretation of Prognostic EEG Features
Michel J. van Putten, MD, MSc, PhD
2:30pm Quantitative Assessment of EEG Background Reactivity in Hypoxic Ischemic Encephalopathy
Edilberto Amorim, MD
2:45pm Quantifying Dynamic EEG Features in Prognosis of Hypoxic Ischemic Encephalopathy
Mohammad Ghassemi, DPhil
3:00pm Electrodermal Activity Trends in Hypoxic Ischemic Encephalopathy
Jong Woo Lee, MD, PhD, FACNS
3:20pm Treatment of Electroencephalographic Status Epilepticus after Cardiopulmonary Resuscitation: The TELSTAR Trial
Barry Ruijter, MSc

1153: Neurostimulation & Networks: Management of Refractory Epilepsy
Session Director: Dawn Eliashiv, MD, FACNS
2:00pm Neurostimulation: Why Does it Work & What are the Future Directions?
Dawn Eliashiv, MD, FACNS
2:20pm New Insights to Vagus & Trigeminal & Tachycardia Based Closed Loop Neurostimulation
Christopher DeGiorgio, MD
2:40pm Strategies in Patient Selection & Parameter Setting with Responsive Neurostimulation
Lawrence J. Hirsch, MD, FACNS
3:00pm Added Value of Deep Brain Stimulation in Epilepsy: The TELSTAR Trial
Barry Ruijter, MSc
3:20pm Discussion

1154: Cortico-Cortical Evoked Potentials & High Frequency Oscillations – Brain Mapping Made Easy
Session Director: Daniela Minecan, MD, FACNS
2:00pm The ABCs of High Frequency Oscillations & their Clinical Relevance
Rafeed Alkawadri, MD
2:20pm Cortico-Cortical Evoked Potentials – A Practice Review
TBD
2:40pm Language Mapping – High Gamma Activity & Cortico-Cortical Evoked Potentials Recordings
Anthony L. Ritaccio, MD, FAAN, FANA
3:00pm Wrap Up & Future Directions
TBD

1155: Joint ACNS/IFCN Latin America Chapter Symposium: Transcranial Motor Evoked Potentials Warning Criteria
Session Director: Paulo Andre Kimaid, MD, PhD
2:00pm The Amplitude Decrease Warning Criteria
Paulo Andre A. Kimaid, MD, PhD
2:30pm The Threshold Level Warning Criteria
Jaime R. Lopez, MD, FACNS
3:00pm The All-or-Nothing Warning Criteria
Francisco Soto, MD

3:30-3:45PM Walking Break

3:45-5:15PM Concurrent Sessions
1161: Understanding the Utility of Stereo Electroencephalography (SEEG) in Intractable Focal Epilepsy through Illustrative Cases
Session Director: Jun T. Park, MD
3:45pm Guiding Principles Behind Stereo Electroencephalography
Hans Lüders, MD, PhD, FACNS
4:15pm Implantation Approach: Adults, Children
Jonathan Miller, MD, FACNS
4:35pm Illustrative Cases: Adults
Guadalupe Fernandez Baca Vaca, MD
4:55pm Illustrative Cases: Children
Asim Shahid, MD

Session Director: Barbara Jobst, MD & Elson Lee So, MD, FACNS
3:45pm Introduction
Elson Lee So, MD, FACNS
3:50pm Why the Need for Seizure Detection Wearables
Barbara Jobst, MD
4:00pm Which Peri-Ictal Neurophysiological Changes Can be Mapped by Current Technology
Daniel Friedman, MD
4:25pm How Accurate are Current Seizure Detection Wearables?
Tobias Loddenkemper, MD, FACNS
4:50pm Open Forum with Audience Participation
Annual Meeting Program
Saturday, February 11, 2017

1163: The Frontal Lobe Club
Session Director: Daniela Minecan, MD, FACNS
3:45pm The Functional Anatomy of the Frontal Lobe
Daniela Minecan, MD, FACNS
4:00pm Frontal Lobe Seizure Subtypes with a Focus on
Semiology
Rafeed Alkawadri, MD
4:20pm Frontal Lobe Seizures – Invasive Monitoring
Approaches
Juan Bulacio, MD
4:40pm Frontal Lobe Seizures – What about the Children?
TBD
5:00pm Wrap Up & Recommendations for Frontal Lobe
Epilepsy
Stephan U. Schuele, MD, MPH, FACNS

1164: Proponents vs. Opponents: You Really Mean I Need
To Order a MEG in 2017?
Session Director: Anto Bagic, MD, PhD, FACNS
3:45pm Informed Skeptic – We Wish, We Profess, but thus
Spoke the NAEG Centers’ Directors
Anto Bagic, MD, PhD, FACNS
4:10pm Enlightened Proponent – If you just could See How
it Works in Our Hands…
Richard C. Burgess, MD, PhD, FACNS
4:35pm Enlightened Opponent – Know What you Have &
When to Use It!
Ronald Lesser, MD, FACNS
5:00pm Discussion

1165: SIG: Neurophysiological Intraoperative Monitoring
(NIOM)
Session Director: Jaime R. Lopez, MD, FACNS
3:45pm Continuous Neuromonitoring Part 2: Fact or
Fiction?
Leslie H. Lee, MD, FACNS
4:10pm Career Opportunities in NIOM – An Overview
Gowri Lakshminarayan, MD
4:35pm Mexican National Clinical Practice Guidelines in
NIOM
Lilia de la Maza, MD
5:00pm Open Forum Discussion

5:15-5:30PM
Walking Break

5:30-7:00PM
General Session
5:30pm Research Highlights Program
The Research Highlights Program is designed to present
the best of the best in research in various Clinical Neur-
physiology fields. There will be three poster abstracts
selected to present in the program.
6:15pm Schwab Award Presentation & Lecture: Modern
Clinical Neurophysiology in ALS-Tracing Lower &
Upper Motor Neuron Involvement
Reinhard Dengler, MD

7:00-8:00PM
Neurology of Musical Masters
Phillip Pearl, MD, FACNS

Sunday, February 12, 2017

7:00-8:00AM
Continental Breakfast

8:00-9:30AM
Concurrent Sessions
1201: Joint ACNS/DGKN (German Society)
Symposium: The Role of Neurophysiology
for Acute Sports Injuries
Session Director: Claus Reinsberger, MD, PhD
8:00am Neurophysiological Assessment of Acute Sports
Related Peripheral Nerve Injuries
Reinhard Dengler, MD
8:30am Neurophysiological Assessment of Acute Sports
Related Injuries of the Central Nervous System
Claus Reinsberger, MD, PhD, FACNS
9:00am Sleep & Sports Injuries – Prevention, Sleep Post
Concussion & Circadian Shifts
Madeleine Grigg-Damberger, MD, FACNS

1202: Neurophysiologic Intraoperative Monitoring of
Vascular Disorders
Session Director: Jaime R. Lopez, MD, FACNS
8:00am NIOM of Cerebrovascular Surgery & Endovascular
Procedures
Jaime R. Lopez, MD, FACNS
8:25am Neurophysiologic Monitoring of Aortic Aneurysm
Repair
Leslie H. Lee, MD, FACNS
8:50am NIOM of Cardiac Surgery
Michael McGarvey, MD, FACNS
9:15am Case Presentations & Discussion
1203: Advances to Improve Accuracy in EEG Interpretation  
**Session Director: Suzette M. LaRoche, MD, FACNS**

- 8:00am  
  **Automate Detection of Interictal Epileptiform Activity**  
  Jonathan J. Halford, MD

- 8:20am  
  **Determination of Reactivity in the Comatose Population**  
  M. Brandon Westover, MD, PhD

- 8:40am  
  **Standardized Critical Care EEG Terminology**  
  Suzette M. LaRoche, MD, FACNS

- 9:00am  
  **Defining & Diagnosing Non-Convulsive Status Epilepticus**  
  Emily J. Gilmore, MD

1204: SIG: Invasive EEG – Interictal Epileptiform Activity & Beyond  
**Session Director: Stephan U. Schuele, MD, MPH, FACNS**

- 8:00am  
  **EEG/MEG Source Imaging & Intracranial Correlation**  
  John Ebersole, MD

- 8:15am  
  **Non-Epileptiform Interictal Abnormalities on ECoG**  
  Douglas R. Nordli, MD, FACNS

- 8:30am  
  **Activation Methods: Pros & Cons**  
  Andres M. Kanner, MD

- 8:45am  
  **IED & HFO in the Operating Room**  
  Greg Worrell, MD

- 9:00am  
  **IED & HFO: Correlation with Ictal Onset Zone**  
  Jean Gotman, PhD, FACNS

9:30-10:00AM  
**Coffee Break**

10:00-11:30AM  
**Concurrent Sessions**

1211: Joint ACNS/Brazilian Society Symposium: The Neurology & Neurophysiology of Zika Virus  
**Session Director: Luiz Otavio Caboclo, MD, MSc, PhD**

- 10:00am  
  **Zika Virus Infection: The Outbreak of Zika-Associated Microcephaly**  
  Eli M. Mizrahi, MD, FACNS

- 10:25am  
  **Zika Virus Encephalitis**  
  Luiz Otavio Caboclo, MD, MSc, PhD

- 10:50am  
  **Guillain-Barré Syndrome Associated with Zika Virus**  
  Marcondes Franca, MD, PhD

11:15am  
**Discussion**

1212: Practical Applications of Unconventional Neurophysiologic Intraoperative Monitoring (NIOM) Techniques  
**Session Director: Leslie H. Lee, MD, FACNS**

- 10:00am  
  **Practical Applications of Pudendal/Perianal & Saphenous Nerve SSEPs**  
  Leslie H. Lee, MD, FACNS

- 10:30am  
  **Practical Intraoperative Techniques & Applications: Bulbovaginal Reflex, F-Wave, & H-Reflex Responses**  
  Guillermo Martin Palomeque, MD

11:00am  
**Practical Approach & Techniques of Intraoperative Brainstem Mapping**  
Mirela V. Simon, MD, MSc, FACNS

1213: Defining Research Priorities in Refractory Status Epilepticus Management  
**Session Director: Cecil D. Hahn, MD, MPH, FACNS & Jong Woo Lee, MD, PhD, FACNS**

- 10:00am  
  **RSE in Children: Current Management, Gaps in Knowledge, Research Priorities**  
  Tobias Loddenkemper, MD, FACNS

- 10:20am  
  **RSE in Adults: Current Management, Gaps in Knowledge, Research Priorities**  
  Jong Woo Lee, MD, PhD, FACNS

- 10:40am  
  **Clinical Trial Design & Individualized Therapy for RSE**  
  Nicolas Gaspard, MD, PhD

- 11:00am  
  **Autonomous Drug Delivery Systems for RSE Management**  
  M. Brandon Westover, MD, PhD

- 11:15am  
  **Planning Collaborative Clinical Trials for RSE Management**  
  Cecil D. Hahn, MD, MPH, FACNS

1214: Infantile Spasms: A Look at One Old Epilepsy in the Modern Era  
**Session Director: Elia M. Pestana Knight, MD, FACNS**

- 10:00am  
  **Animal Models of Epileptic Spasms & the Development of Novel Treatment Options**  
  Morris H. Scantlebury, MD

- 10:25am  
  **Clinical Spectrum of Epileptic Spasms: From Classic to Subtle Forms & Across All Age Groups**  
  Elia M. Pestana Knight, MD, FACNS

- 10:50am  
  **Variations of Hypsarrhythmia Pattern & Implications of its Identification in the Medical Management of Epileptic Spasms**  
  Elia M. Pestana Knight, MD, FACNS

- 11:10am  
  **Electroclinical Features of Children with Epileptic Spasms who are Candidate to Epilepsy Surgery**  
  Ahsan Moosa Naduvil Valappil, MD
# Annual Meeting & Courses Advance Registration Form

**American Clinical Neurophysiology Society**  
**2017 Annual Meeting & Courses**  
**February 8-12, 2017**  
**Sheraton Grand Phoenix**  
**Phoenix, Arizona**

To register for the meeting online, please visit: [www.ACNS.org](http://www.ACNS.org)

**Please type or print legibly**

**ACNS Member ID (Optional) ________________________________________________**

**First Name ____________________________________ Middle ____________________ Last Name ______________________________________________________**

**Designation(s) (Example: MD, PhD, DO, etc.) __________________________________ Institution _______________________________________________________**

**Mailing Address __________________________________________________________________________________________________________________________**

**City __________________________________________________State/Province__________________________Zip/Postal Code ________________________________**

**Country ________________________________________________________Email ___________________________________________________________________**

**Telephone_______________________________________________________Fax _____________________________________________________________________**

### ANNUAL COURSES – Wednesday, February 8 – Friday, February 10, 2017

Please note that the scheduled times of some Courses listed below may conflict. Please refer to the Preliminary Program for complete Course scheduling information to make your selections.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Course Description</th>
<th>ACNS Members</th>
<th>Non-Members</th>
<th>ACNS Junior &amp; Technologist Members &amp; International Attendees (Outside US &amp; Canada)</th>
<th>Non-Member Residents, Fellows, Technologists &amp; International Attendees (Outside US &amp; Canada)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday, February 8</strong></td>
<td></td>
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<tr>
<td>7:00-8:30am</td>
<td>801:</td>
<td>Short Course: EEG/EMG/NIOM Technology</td>
<td>☐ $75</td>
<td>☐ $95</td>
<td>☐ $35</td>
<td>☐ $65</td>
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<tr>
<td>7:00-8:30am</td>
<td>802:</td>
<td>Short Course: Applied Cases in Clinical Neurophysiology &amp; Video EEG</td>
<td>☐ $75</td>
<td>☐ $95</td>
<td>☐ $35</td>
<td>☐ $65</td>
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<tr>
<td>9:00am-5:00pm</td>
<td>811:</td>
<td>Full Day Course: Neurophysiologic Intraoperative Monitoring (NIOM) Part I</td>
<td>☐ $175</td>
<td>☐ $230</td>
<td>☐ $95</td>
<td>☐ $140</td>
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<tr>
<td>9:00am-5:00pm</td>
<td>812:</td>
<td>Full Day Course: Intensive Care Unit EEG Monitoring (ICU EEG)</td>
<td>☐ $175</td>
<td>☐ $230</td>
<td>☐ $95</td>
<td>☐ $140</td>
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<tr>
<td><strong>Thursday, February 9</strong></td>
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<tr>
<td>7:00-8:30am</td>
<td>901:</td>
<td>Short Course: Stereo-EEG</td>
<td>☐ $75</td>
<td>☐ $95</td>
<td>☐ $35</td>
<td>☐ $65</td>
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<tr>
<td>7:00-8:30am</td>
<td>902:</td>
<td>Short Course: Non-Invasive Brain Stimulation Techniques</td>
<td>☐ $75</td>
<td>☐ $95</td>
<td>☐ $35</td>
<td>☐ $65</td>
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<tr>
<td>7:00-8:30am</td>
<td>903:</td>
<td>Short Course: Autonomic Neurophysiology</td>
<td>☐ $75</td>
<td>☐ $95</td>
<td>☐ $35</td>
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<tr>
<td>9:00am-2:30pm</td>
<td>911:</td>
<td>Half Day Course: EMG</td>
<td>☐ $85</td>
<td>☐ $100</td>
<td>☐ $45</td>
<td>☐ $75</td>
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<tr>
<td>9:00am-5:00pm</td>
<td>921:</td>
<td>Full Day Course: Neurophysiologic Intraoperative Monitoring (NIOM) Part II</td>
<td>☐ $175</td>
<td>☐ $230</td>
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<tr>
<td>9:00am-5:00pm</td>
<td>922:</td>
<td>Full Day Course: Electrocorticography (ECoG) &amp; Intracranial EEG</td>
<td>☐ $175</td>
<td>☐ $230</td>
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<tr>
<td>11:30am-2:00pm</td>
<td>931:</td>
<td>4th Annual CNP Program Director's Symposium</td>
<td>☐ $30</td>
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<td>3:00-4:30pm</td>
<td>941:</td>
<td>Short Course: Applied Cases in Peripheral Neurophysiology</td>
<td>☐ $75</td>
<td>☐ $95</td>
<td>☐ $35</td>
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<tr>
<td><strong>Friday, February 10</strong></td>
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<tr>
<td>7:00-10:00am</td>
<td>1301:</td>
<td>Half Day Course: Video-EEG</td>
<td>☐ $85</td>
<td>☐ $100</td>
<td>☐ $45</td>
<td>☐ $75</td>
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<tr>
<td>7:00-10:00am</td>
<td>1302:</td>
<td>Half Day Course: Evoked Potentials</td>
<td>☐ $85</td>
<td>☐ $100</td>
<td>☐ $45</td>
<td>☐ $75</td>
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<tr>
<td>7:00-10:00am</td>
<td>1303:</td>
<td>Half Day Course: Neonatal &amp; Pediatric EEG</td>
<td>☐ $85</td>
<td>☐ $100</td>
<td>☐ $45</td>
<td>☐ $75</td>
</tr>
</tbody>
</table>

**Annual Courses Total (A): _________________________**
### ANNUAL MEETING/SCIENTIFIC PROGRAM - Friday, February 10 through Sunday, February 12, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Friday, February 10</th>
<th>Saturday, February 11</th>
<th>Sunday, February 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30-3:30pm</td>
<td>1011: IFCN Symposium: Movement Control – The Clinical Neurophysiologist’s Perspective</td>
<td>1111: Interpreting Challenging NCS &amp; Needle EMG Findings - An Interactive Case-Based Approach</td>
<td>1201: Joint ACNS/DGKN (German) Symposium: The Role of Neurophysiology for Acute Sports Injuries</td>
</tr>
<tr>
<td>4:00-5:30pm</td>
<td>1021: Clinical Neurophysiology as a Window to Consciousness</td>
<td>1121: Advances in Prognostication &amp; Management of Coma Following Cardiac Arrest</td>
<td>1211: Joint ACNS/Brazilian Society of Clinical Neurophysiology Symposium: The Neurology and Neurophysiology of Zika Virus</td>
</tr>
<tr>
<td>2:00-3:30pm</td>
<td>1022: Mapping Epileptogenic &amp; Functional Cortex in Tumor-Related Epilepsy</td>
<td>1132: Consensus for Recording &amp; Analysis of Wide-Band EEG in Clinical Epilepsy</td>
<td>1214: Infantile Spasms: A Look at One Old Epilepsy in the Modern Era</td>
</tr>
</tbody>
</table>

**SOCIAL & NETWORKING EVENTS**

*No additional charge*

- I am interested in attending the Welcome Reception on Friday, February 10 from 7:00-8:30pm.
- I am interested in attending the Neurophys Bowl on Friday, February 10 from 5:45-7:00pm.
- I am interested in participating on a team in the Neurophys Bowl. Please contact me with details!
- I am interested in attending the Keynote Lecture: Neurology of Musical Masters on Saturday, February 11 from 7:00-8:00pm.
- I am interested in taking part in the ACNS Mentorship Program.
- I would like to be a mentor.  I would like to be a mentee.
SPECIAL NEEDS

☐ I have a religious or food allergy related dietary need. Please explain:
_______________________________________________________________________________________________________________________________________
_______________________________________________________________________________________________________________________________________

☐ I have a need for special assistance (physical). Please explain:
_______________________________________________________________________________________________________________________________________
_______________________________________________________________________________________________________________________________________

SIGNATURE OF AGREEMENT. (Please retain a copy for your records.) I understand I am registering to attend the 2017 ACNS Annual Meeting & Courses, February 8-12, 2017, at the Sheraton Grand Phoenix in Phoenix, Arizona. I understand that the event registration rate listed above will be charged to the credit card I have listed. I understand further that all registration charges must be paid in full upon completion of this form. If registration is not paid for in full at time of event, I may be asked to provide payment upon arrival at the meeting.

CANCELLATION POLICY. Refund requests must be submitted in writing to ACNS prior to January 20, 2017. A $20 processing fee will be charged for all refunds. We regret refunds will not be granted for requests postmarked or received after January 20, 2017.

WAIVER. Submission of this registration form and payment of associated fees serves as agreement by the delegate to release the American Clinical Neurophysiology Society, the Sheraton Grand Phoenix, their respective agents, servants, employees, representatives, successors, and assigns, from any and against all claims, demands, causes of action, damages, costs, and expenses, including attorneys’ fees, for injury to person or damage to property arising out of attendance at the ACNS Annual Meeting & Courses. In addition, the delegate hereby grants permission to use his/her likeness in a photograph or other digital reproduction in any and all of its publications, including website entries, without payment or any other consideration, agreeing that these materials will become the property of ACNS which has the right to edit, alter, copy, exhibit, publish or distribute this photo for purposes of publicizing its programs or for any other lawful purpose. Additionally, the delegate waives any right to royalties or other compensation arising or related to the use of the photograph.

☐ I do not wish to be included on the delegate list provided to supporters. ☐ I do not wish to be included on any published delegate list including programs, mobile apps, etc.

PAYMENT INFORMATION

☐ Please add a contribution to the ACNS Strategic Fund.
☐ General Strategic Fund $_______
☐ Educational Fund $_______
☐ Research Fund $_______
☐ International Fund $_______

Donation Total (C): ______________________

Courses Total (A): ________ + Annual Meeting Total (B): ________ + Donation Total (C): ________ = GRAND TOTAL: ______________

☐ Company Check – Make check payable to American Clinical Neurophysiology Society (in US dollars, drawn on a US Bank)
☐ Credit Card (check one): ☐ Visa ☐ MasterCard ☐ Discover
☐ Please invoice me.

Card Number _______________________________________________________________________________Expiration Date ________________________________

Card Holder Name _______________________________________________________________________________________________________________________

Authorized Signature ___________________________________________Date ________________________

*Registration will not be processed without payment and signature*

PLEASE RETURN THIS REGISTRATION FORM WITH REQUIRED PAYMENT TO

American Clinical Neurophysiology Society, Attn: Meetings Department
555 E. Wells Street, Suite 1100 • Milwaukee, WI 53202 • Fax: (414) 276-3349 • E-mail: info@acns.org
## IMPORTANT DATES

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
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<tbody>
<tr>
<td>Advance Registration Open</td>
<td>September 12, 2016</td>
</tr>
<tr>
<td>Poster Abstract Submission Open</td>
<td>October 1, 2016</td>
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<tr>
<td>Poster Abstract Submission Deadline</td>
<td>November 15, 2016</td>
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<tr>
<td>Poster Abstract Decision Notification</td>
<td>December 15, 2016</td>
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<tr>
<td>Housing Deadline</td>
<td>January 15, 2017</td>
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<tr>
<td>Advance Registration Deadline</td>
<td>January 15, 2017</td>
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<tr>
<td>Registration Cancellation Deadline</td>
<td>January 20, 2017</td>
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<tr>
<td>Courses Handout Website Open</td>
<td>January 31, 2017</td>
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<tr>
<td>CME Certificate Program Opens (pre-registered delegates)</td>
<td>February 8, 2017</td>
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<tr>
<td>CME Certificate Program Opens (delegates registering onsite)</td>
<td>March 8, 2017</td>
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<tr>
<td>CME Certificate Claim Deadline</td>
<td>April 3, 2017</td>
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<tr>
<td>Courses Handout Website Closes</td>
<td>April 28, 2017</td>
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