FRIDAY December 4

7:00 a.m. - 6:00 p.m. | Registration
8:00 a.m. - 5:00 p.m. | National EpFellows Foundation®
17th Annual Scientific Forum
9:00 a.m. - 4:00 p.m. | Advances in the Management of Epilepsy and the Epilepsy Clinic®
Noon - 2:30 p.m. | Annual Fundamentals of Epilepsy: Neurophysiology 101

1:30 p.m. - 3:00 p.m. | Special Interest Group Meetings
3:30 p.m. - 5:00 p.m. | Special Interest Group Meetings
5:00 p.m. - 5:30 p.m. | Symposia Break
5:30 p.m. - 8:00 p.m. | Hot Topics Symposium: Biomarkers in Epilepsy
Spanish Symposium: Pitfalls in Diagnosis and Treatment of Epilepsy

*Separate registration required

SATURDAY December 5

7:00 a.m. - 6:00 p.m. | Registration
9:00 a.m. - 11:00 a.m. | Hoyer Lecture
11:00 a.m. - 2:00 p.m. | Professionals in Epilepsy Care Symposium: Predictors and Methodologies of Epilepsy Self-Management
11:15 a.m. - 12:45 p.m. | Special Interest Group Meetings
1:00 p.m. - 8:00 p.m. | Poster Session 1
2:00 p.m. - 5:00 p.m. | Merritt-Putnam Symposium: Beyond Seizures: Mechanisms Underlying Epilepsy Spectrum Disorder

2:30 p.m. - 4:00 p.m. | Special Interest Group Meetings
5:00 p.m. - 5:30 p.m. | Symposia Break
5:30 p.m. - 7:30 p.m. | Antiepileptic Therapy Symposium: Treatment Strategies for the Patient with Epilepsy
Investigators’ Workshops
5:00 p.m. - 7:00 p.m. | Exhibit Hall
5:30 p.m. - 7:00 p.m. | Investigator’s Workshop Poster Session
7:00 p.m. - 9:00 p.m. | Epilepsy Monitoring Unit Symposium: Expert Consensus on Patient Safety
7:30 p.m. - 9:00 p.m. | Special Interest Group Meetings

*Separate registration required

SUNDAY December 6

7:00 a.m. - 6:00 p.m. | Registration
8:00 a.m. - 11:00 a.m. | Scientific Exhibits
8:00 a.m. - 4:30 p.m. | Annual Course: Selecting Patients for Epilepsy Surgery
8:00 a.m. - 5:30 p.m. | Investigators’ Workshop
IF Posters: 11:30 a.m. - 1:00 p.m.
Keynote Speakers: 1:15 p.m. - 1:45 p.m.
8:00 a.m. - 6:00 p.m. | Poster Session 2
12:15 p.m. - 1:15 p.m. | Mentoring Session*
2:00 p.m. - 5:00 p.m. | Scientific Exhibits

5:00 p.m. - 6:30 p.m. | Reception in Support of Lennox and Lombroso Trust for Research & Training
5:00 p.m. - 7:00 p.m. | Exhibit Hall
5:30 p.m. - 7:00 p.m. | Investigator’s Workshop Poster Session
7:00 p.m. - 9:00 p.m. | Epilepsy Monitoring Unit Symposium: Expert Consensus on Patient Safety
7:30 p.m. - 9:00 p.m. | Special Interest Group Meetings

*Separate registration required

MONDAY December 7

7:00 a.m. - 6:00 p.m. | Registration
8:00 a.m. - 11:00 a.m. | Scientific Exhibits
8:00 a.m. - 6:00 p.m. | Poster Session 3
9:00 a.m. - 11:30 a.m. | Presidential Symposium: It Takes a Village: Solving the Treatment Gap
9:00 a.m. - 4:00 p.m. | Exhibit Hall
2:00 p.m. - 5:00 p.m. | Scientific Exhibits
2:15 p.m. - 3:00 p.m. | Lennox Lecture
2:30 p.m. - 4:00 p.m. | Pediatric Epilepsy Highlights Session
6:00 p.m. - 6:30 p.m. | Symposia Break
6:30 p.m. - 8:30 p.m. | Pediatric State of the Art Symposium: Treatable Metabolic Epilepsies

3:15 p.m. - 4:45 p.m. | Investigators’ Workshop
4:00 p.m. - 6:00 p.m. | Platforms: 3 Concurrent Sessions
4:30 p.m. - 6:00 p.m. | Pediatric Epilepsy Highlights Session
6:00 p.m. - 6:30 p.m. | Symposia Break
6:30 p.m. - 8:30 p.m. | Pediatric State of the Art Symposium: Treatable Metabolic Epilepsies

TUESDAY December 8

7:00 a.m. - 4:00 p.m. | Registration
8:00 a.m. - 1:30 p.m. | Exhibit Hall
9:00 a.m. - 10:30 a.m. | Plenary II: The Postictal and Interictal Periods: What Are We Missing?
11:00 a.m. - 12:30 p.m. | International League Against Epilepsy Symposium: Redefining Treatment Resistant Epilepsy

12:45 p.m. - 2:15 p.m. | Special Interest Group Meetings
1:45 p.m. - 3:15 p.m. | Plenary III: ICU Monitoring
2:30 p.m. - 4:00 p.m. | Special Interest Group Meetings

*Separate registration required
AES 63rd Annual Meeting

The Annual Meeting of the American Epilepsy Society is the largest meeting and exhibition in the world of those who share the common scientific and clinical interests of epilepsy and clinical neurophysiology. Each year close to 4,000 attendees gather who are dedicated to improving the quality of life for those afflicted with epilepsy. This meeting will be the top forum to examine common concerns and give the opportunity to gain insight from leading authorities.

Mission Statement

The American Epilepsy Society (AES) is one of 98 chapters of the International League Against Epilepsy (ILAE). The American Epilepsy Society promotes research and education for professionals dedicated to the prevention, treatment and cure of epilepsy.

Target Audience

The meeting is designed for academic and practicing neurologists, neurophysiologists, epileptologists, neuroscientists, neurosurgeons, internists, pediatricians, pharmacists, nurses, social workers, and other epilepsy care professionals.

Policy on Commercial Support and Conflict of Interest

The American Epilepsy Society maintains a policy on the use of commercial support, which ensures that all educational activities sponsored by the AES provide in-depth presentations that are fair, balanced, independent and scientifically rigorous. All faculty, planning committee members, editors, managers and other individuals who are in a position to control content are required to disclose any relevant relationships with any commercial interests related to the activity. The existence of these interests or relationships is not viewed as implying bias or decreasing the value of the presentations. All educational materials are reviewed for fair balance, scientific objectivity and disclosure of unlabeled/unapproved uses are solely those of the faculty and are not endorsed by the American Epilepsy Society or any other manufacturers of pharmaceuticals.

Proceedings

Proceedings of the 2009 Annual Meeting will be available on the Blackwell Synergy Web site, the AES Web site, as well as a CD-ROM. Abstracts will appear in the order they were presented.

Accreditation

The American Epilepsy Society is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to offer continuing medical education for physicians.

Membership – Join the American Epilepsy Society today!

The American Epilepsy Society invites you to join one of the oldest neurological professional organizations in the United States. The American Epilepsy Society seeks to promote interdisciplinary communications, scientific investigation, and exchange of clinical information about epilepsy. Members include clinicians, scientists, and other professionals interested in seizure disorders, representing both pediatric and adult aspects of epilepsy.

AES members receive benefits that include: discounted fees for subscriptions to scientific journals and registration to the AES Annual Meeting; opportunities to apply for funding your research, participate in the Society through committee membership, and network with national and international colleagues.

Credit Designation

Physicians: The American Epilepsy Society designates this educational activity for a maximum of 29.50 AMA PRA Category 1 Credits™. Physicians should only claim credits commensurate with the extent of their participation in the activity.

Nurses: Continuing education credit will be provided through physician CME credit. The majority of state nursing boards accept physician CMES. For specific questions, contact your state board of nursing. Nursing CE credit is available for the two Professionals in Epilepsy Care symposia. Use the Medical Education Evaluator, the online evaluation system, to access certificates for nursing credit.

Pharmacists: Selected AES programs are approved for continuing education units (CEUs). Pharmacists will be required to complete evaluations for each program attended. The Accreditation Council on Pharmacy Education (formerly the American Council on Pharmaceutical Education) as a provider of continuing pharmaceutical education.

International Credits: The American Medical Association has determined that non-U.S. licensed physicians who participate in this CME activity are eligible for AMA PRA Category 1 Credit™.

Medical Education Evaluator ® and Certificates

The Medical Education Evaluator ® allows any attendee to self-manage the process of completing course evaluations, tracking credits and printing out the appropriate certificate for either AMA PRA Category 1 Credits™, CE or ACPE pharmacy statement of credits.

Once you are on the Medical Education Evaluator ®, you will be asked to enter your badge # and password. The certificate(s) are saved to your personal account page which is cumulative. You may print the certificate(s) in PDF format at any time.

The online Evaluator will be left open through January 30, 2010, so you must complete the evaluations and credit tracking by that date.

By completing this information online, attendees greatly assist the Council on Education and Annual Meeting Committee with important needs assessment data whereby the AES can further plan and address educational gaps to meet the needs of our learners.

A meeting attendance certificate will be available for international meeting attendees at the registration desk.

Syllabus

Syllabi for the educational symposia will be available on the AES Web site later this fall prior to the Annual Meeting.

Exhibit Hall Opening and Lennox and Lombroso Trust for Research & Training Reception

Sunday, December 6, 5:00 p.m.–6:30 p.m.

Share the dream to cure epilepsy! Come mingle with your colleagues and show your support at the Annual Reception. A voluntary, tax deductible contribution of $50, or whatever you can contribute, will benefit the Lennox and Lombroso Trust for Research & Training. To assist in planning, advanced registration is required.

Commercial Exhibits

The Exhibit Hall is an integral part of the learning experience. Meeting participants will have an ideal opportunity to learn about the latest in pharmaceuticals, publications, scientific equipment, and technology relevant to the fields of epilepsy and neurophysiology. Please check the AES Web site for an updated listing of exhibiting companies and organizations. To ensure safety and security, no children, strollers, carriages, wheeled luggage or wheeled briefcases will be allowed in the Exhibit Hall during exhibit hours.

Sunday, December 6
Lennox / Lombroso Reception
5:00 p.m. – 7:00 p.m.

Monday, December 7
9:00 a.m. – 4:00 p.m.

Tuesday, December 8
8:00 a.m. – 1:30 p.m.
**Scientific Exhibits**
The American Epilepsy Society has adopted and approved guidelines for industry-sponsored scientific exhibits at the Annual Meeting. Scientific Exhibits differ from traditional poster presentations in that a broad range of material can be presented as a collection of topics, such as results of various clinical trials, or a thematic presentation of one aspect of drug development. Scientific Exhibits will be displayed on two days, Sunday, December 6 and Monday, December 7. An application to register for a Scientific Exhibit will be e-mailed to interested companies in May, 2009. Reservations will be reviewed and accepted on a first-come first-served basis until space is sold out. Send inquiries of interest to jامadeni@aesnet.org.

**Cyber Café**
The Cyber Café will be available at the Convention Center with e-mail and Worldwide Web access. Check in with family members and colleagues, and conduct online research while attending the meeting. You will also be able to complete the course evaluations and obtain your CME certificate online via the Cyber Café.

**Language**
The official language of the Annual Meeting is English. No simultaneous translation is available.

**Photography and Recording of Programs**
The AES strictly prohibits all photography (flash, digital, or otherwise), audio and/or videotaping during the Annual Meeting. Equipment will be confiscated.

**Press Room**
The American Epilepsy Society Press Room offers press releases, biographies, fact sheets, scientific abstracts, and other resources for journalists reporting on epilepsy study reports and educational presentations at this meeting. The AES staffs the on-site Press Room and works with journalists to develop stories, connect with experts and presenters, and research facts and information. Sponsors and exhibitors are encouraged to submit relevant press releases and media kits for on-site Press Room display and distribution. For more information, contact Peter Van Haverbeke at pvanhaverbeke@aesnet.org.

**Program Changes**
AES can not assume liability for any changes in the program due to external or unforeseen circumstances.

**Advance Registration – Available by July 1, 2009**

**Hotel Reservations**
AES continues to utilize Passkey as the online hotel reservation system allowing attendees to confirm, modify or cancel hotel reservations in real time, 24/7. Automated confirmations are sent immediately to your e-mail address. Please contact Experient Housing at 800.974.9769 or 847.996.5892 if you have questions.

Everyone is encouraged to use the discount hotel programs that have been arranged for you. Confirming your room through AES Housing allows AES to maintain consistent and competitive registration, exhibit space and other service fees from year to year. A portion of the room rate at each hotel will be e-mailed to interested companies in May, 2009. Reservations will be reviewed and accepted on a first-come first-served basis until space is sold out. Send inquiries of interest to jامadeni@aesnet.org.

Three ways to confirm your hotel room:

1. **Book Online** (credit cards only)
   PLEASE NOTE: Your e-mail system or spam blocker may be preventing you from receiving important messages, including your hotel confirmation responses from Experient, the official AES Housing Bureau. Please remember to check your spam filter frequently.

2. **Mail or Fax** 847.996.5401 (credit cards only)
   Experient Housing
   568 Atrium Drive
   Vernon Hills, IL 60061-1731

3. **Contact the Housing Customer Service Team at Experient**
   Monday – Friday, 9:00 a.m.-5:00 p.m. (Central Time)
   Phone: 800.974.9769 (US & Canada)
   847.996.5892 (International)
   E-mail Experient – the official AES Housing Bureau
   E-mail: AES@experient-inc.com

**Housing Deadline**
The deadline for individual hotel reservations is Thursday, November 19, 2009. The deadline for blocks of 10 or more rooms is Friday, October 2, 2009. You are encouraged to make your hotel reservations early, as rooms may sell out prior to these dates.

**Room Deposit / Cancellation Policy**
A credit card is required to guarantee a reservation. After Friday, November 6, 2009, a one-night, NON-refundable deposit (room and tax) representing the first night of your reservation will be charged to your credit card. Changes can be made to your reservation through Passkey or the AES Housing Bureau until Monday, November 23 based on availability. Please contact your hotel directly after Monday, November 23, 2009.

**Early Departure Policy**
Guests who check out of the hotel prior to their scheduled departure date will be charged a penalty of one night’s room rate and tax.

**Sheraton Boston Hotel (Headquarters Hotel)**
39 Dalton Street, Boston, MA 02199 USA
Telephone: 617.236.2000
Fax: 617.236.1702
Rates: $199 Single / $219 Double
Check-in: 3:00 p.m.  Check-out: Noon

Nestled in the charming and historic Back Bay, the 1,216 room Sheraton Boston Hotel is ideally situated with an indoor connection to the Hynes Convention Center and over 200 shops at The Shops at the Prudential Center and Copley Place Mall. Located just four miles from Logan Airport the guest rooms feature the Sheraton Sweet Sleeper TM Bed, High Speed Internet Access, individual climate controls, and a new communications package which offers one low, fixed price in-room movies, coffee and tea maker, hairdryer, iron and ironing board, unlimited domestic long distance phone calls, operator assistance, local phone calls, and toll free 1-800 calls. The hotel is 100% non-smoking.

**Marriott Boston Copley Place**
110 Huntington Avenue, Boston, MA 02116 USA
Telephone: 617.236.5800
Fax: 617.236.5885
Rates: $199 Single / $219 Double
Check-in: 4:00 p.m.  Check-out: Noon

The 1,110+ room hotel, located in the heart of Boston’s historic Back Bay, just off the Massachusetts Turnpike, is a short distance from the Hynes Convention Center and connected via indoor walkways. Every room features 300 thread count linens, fluffy pillows, down comforters and High Speed Internet Access (charge). The hotel is 100% non-smoking.

**Hilton Boston Back Bay**
40 Dalton Street, Boston, MA 02115 USA
Telephone: 617.236.1100
Fax: 617.867-6104
Rates: $173 Single / $193 Double
Check-in: 3:00 p.m.  Check-out: Noon

Enjoy New England-style charm and sophistication at Hilton Boston Back Bay. The 385 room Hilton is only four miles from Logan International Airport and right across the street from the Hynes Convention Center. Some of Boston's leading attractions including Fenway Park, the Museum of Fine Arts, and the Boston Common are also easily accessible from the hotel.
**Meeting Location**
The meeting will take place at the Hynes Convention Center located within the Boston Convention Complex. The complex includes three hotels, the Hynes Convention Center, the Copley Place Shopping Galleries and the Prudential Center Shopping Arcades. All of these facilities are connected by indoor, climate-controlled walkways. Combined, these facilities include over 200 fine stores and boutiques as well as over two dozen restaurants and cafés.

**Hynes Convention Center**
900 Boylston Street
Boston, MA 02115 USA
www.mccahome.com/hcc.html

**No Smoking Policy**
For the comfort and health of all attendees, smoking is not permitted at any AES functions. This includes educational sessions, meetings and all food facilities. Both the Convention Center and Sheraton are 100% smoke-free facilities.

**Meeting Attire**
AES promotes business casual attire for the duration of the Annual Meeting. Consider bringing a light jacket or sweater to Annual Meeting activities since meeting room temperatures and personal comfort levels vary.

**Information for International Travelers**

**Visa Application Information**
For information regarding important timelines and travel to the United States, you may access the following Web sites:
- [U.S. State Department](#)
- [Canadian Citizens](#)
- [U.S. Embassy Consular Section](#)
- [Visa Waiver Program](#)
- [Visa Wait Times](#)
- [U.S. Visit Traveler Information](#)
- [U.S. Visit Biometric Indentification Services](#)

**Letter of Invitation**
To receive a Letter of Invitation to attend, you must first register for the meeting (available by the end of June, 2009). Please check the appropriate box on the registration form. Once your payment has been processed a letter will be sent to you. Please send any questions to conferenceregistration@aesnet.org.

**Consulates and Embassies**
All international embassies from other countries to the United States are located in Washington, D.C. There are a number of international embassy branch offices, called consulates, located in Boston. If your country does not have a consulate in Boston, call directory information in Washington, D.C. (phone: 202.555.1212), for the number of your national embassy.

**Additional Information**
During the month of December, Boston, Massachusetts operates in the Eastern Standard Time Zone (GMT -5 hours).

For international dialing, the country code to the United States is +1. The local area code for Boston, Massachusetts is 617.

Gratuities are not automatically added to the bill, except in some cases for large groups. Waiters and waitresses are usually given 15% to 20% of the bill. Taxi drivers usually receive 15% of the fare and doormen, skycaps and porters are normally tipped $1 per bag.

The electricity used in Boston, Massachusetts is standard 110 volt. European appliances will require a voltage transformer.

**City Information**
Boston, America’s Walking City, has a great diversity of attractions to suit all interests. The city is known for its mix of colonial, historical sites and modern, urban sophistication. American history is prevalent with The Freedom Trail, Paul Revere’s home, The Boston Tea Party Ship, Old State House and the Old North Church. Many top-rated museums are located in Boston including the Museum of Fine Arts, Museum of Science, and New England Aquarium. Shopping options, restaurants, theater and sporting events are also plentiful throughout the city. The weather in early December typically finds temperatures in the 30s and 40s. For additional information, access the Greater Boston Convention and Visitor’s Bureau.

**Getting to Boston**
Logan International Airport is located across the inner harbor in East Boston. It is served by all major carriers and several regional and commuter airlines. Logan Airport links the region to all major cities throughout the United States, many with direct flights. The airport also has direct international service to many cities in Canada and Europe.

**Ground Transportation**
- **Getting to / from Logan International Airport:** The airport, located 4 miles from the Hynes Convention Center, is served by taxi, bus and subway services.
- **Public transportation:** Massachusetts Bay Transportation Authority (MBTA) buses and subways.

**Taxicab Service**
Taxis are readily available at Logan International Airport 24 hours a day and are plentiful in the downtown area.

**Rail Transportation**
Amtrak trains arrive and depart at South Station in Boston (2 South Station, Summer Street & Atlantic Avenue). Tickets may be purchased online or at the station. For schedules and fares, contact Amtrak at 800.USA.RAIL or 800.872.7245.

**Registration & Security**
The American Epilepsy Society is committed to providing a secure meeting environment. A formal security plan is being developed in consultation with the Security Department at the Convention Center. All meeting attendees will be required to produce government-issued photo identification prior to receiving their badge and registration materials. Appropriate badges must be worn at all times while in attendance at the meeting and are required for admittance to all meeting activities. Special security procedures will also be in place for exhibition materials and all deliveries to the AES meeting. Additional security information will be available in the Program Book received at the on-site Registration Desk.

**Insurance, Liabilities**
The American Epilepsy Society cannot be held responsible for any personal injury, loss, damage, accident to private property or additional expenses incurred as a result of delays or changes in air, rail, sea, road, or other services, strikes, sickness, weather, acts of terrorism and any other cause. All participants are encouraged to make their own arrangements for health and travel insurance.

**Contact Information**
American Epilepsy Society
342 North Main Street
West Hartford, CT 06117-2507

Phone: 860.586.7505
Meeting Fax: 860.586.7550
E-mail: info@aesnet.org
Web site: www.AESNET.org
8:00 a.m. – 5:00 p.m.
**National EpiFellows Foundation 17th Annual Scientific Forum**
Westin Copley Place

The National EpiFellows Foundation (NEF) will hold its 17th Annual Scientific Forum on Friday, December 4. The Forum, which convenes epilepsy fellows from the U.S., is held each year in conjunction with the Annual Meeting of the American Epilepsy Society. The Forum consists of a general session followed by case study workshops, the cases for which are submitted by attendees and selected by the NEF Advisory Board.

Directors of accredited epilepsy fellowship programs in the U.S. are encouraged to nominate an epilepsy fellow from their institution to attend the NEF Scientific Forum. Registration packets will be sent in June to directors. Registration is limited and nominees are selected on a first come, first served basis. The deadline for registration is Friday, September 25. For more information, please visit our Web site at www.epifellows.com or call 800.288.2074.

The NEF aims to foster the development of current trainees and recent graduates of epilepsy training programs. The Forum is one of several ways in which the foundation achieves this goal. In addition, each year the NEF awards research grants of up to $20,000 each to qualified applicants. The development of the NEF and its programs is supported by Pfizer Inc.

Noon – 2:30 p.m.
**Annual Fundamentals of Epilepsy: Neurophysiology 101**

**Overview**
This symposium is designed to provide an understanding of both the basic neuronal foundation and the interpretation of the electroencephalogram (EEG). There will be an analysis of the neuronal circuitry involved in scalp EEG wave formation. Age-related EEG patterns may be difficult to interpret. Common paroxysmal patterns and their clinical significance will be discussed. Practice parameters for obtaining an EEG and the clinical utility of neurophysiologic testing will be outlined. Even with the advent of newer techniques, the EEG has arguably remained the gold standard for accessing neuronal function. The benefits and pitfalls of the newer diagnostic investigative techniques will be addressed.

**Learner Outcomes**
- Apply evidence based medicine and clinical guidelines to determine appropriate EEG usage
- Interpretation of EEG will be based on scientific studies and published clinical observations
- Use EEG in a fashion to foster better medical decision making
- Order the appropriate neurophysiological tests and interpret the results so as to improve practice performance and foster better medical decision making.

**Target Audience**
Neurologists, child neurologists, pharmacists, neurodiagnostic technologists, neuroscientists interested in translational research and other professionals in epilepsy care

**Program**
Chair: Dave F. Clarke, M.B.B.S.

- Opening Remarks
  Dave F. Clarke, M.B.B.S.

- Neuronal Circuitry to Scalp Electrodes
  Miquel A. Cortez, M.D.

- Paroxysmal Electroencephalographic Patterns
  Ernst F. Niedermeyer, M.D.

- Clinical Utility of the Electroencephalogram: When, Why and How Often?
  Dave F. Clarke, M.B.B.S.

- Newer Diagnostic Tools: Enhancing the Yield of EEG
  James W. Wheless, M.D.

**Credit Designation**
The American Epilepsy Society designates this educational activity for a maximum of 2.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
1:30 p.m. – 3:00 p.m.
Special Interest Group Meetings

**Epidemiology**
Coordinator: Dale C. Hesdorffer, Ph.D.
Speakers: Shlomo Shinnar, M.D., Ph.D., Daniel H. Lowenstein, M.D.

Clinical definitions of prolonged seizures/status epilepticus have slowly moved from a duration of 30 minutes or more to one of at least 5 or 10 minutes. The reasons for these changes in clinical practice are different from the processes that guide construction of meaningful epidemiological definitions. We will explore the impact of definitions of prolonged seizures on prognosis (e.g., mortality) and discuss characteristics of an epidemiologically meaningful definition.

**Neuropharmacology**
Coordinators: Gail D. Anderson, Ph.D., Jacquelyn Bainbridge, Pharm.D., R. Eugene Ramsay, M.D.
Speakers: David M. Treiman, M.D., Brian K. Alldredge, Pharm.D., Michael Doherty, M.D.

This session will debate the issue as to whether or not there is sufficient pre-clinical and/or clinical evidence to support the use of the parenteral formulations of the new AED in the treatment of status epilepticus.

**Nursing Research**
Coordinators: Colleen DiIorio, Ph.D., RN, FAAN, Rebecca Schultz, RN, M.S.N., CPNP
Speakers: Colleen DiIorio, Ph.D., RN, FAAN, Janelle Wagner, Ph.D.

The Nursing Research SIG is designed to be a resource for nurses interested in research related to care of persons with epilepsy. The goal of the Nursing Research SIG is to facilitate the development of a network of nurses involved in epilepsy research. The SIG provides opportunities for presentations and discussions of current research of interest to nurses. This year the SIG will focus on research in epilepsy self-management. Nurses have an important role in promoting self-management among people with epilepsy, and nurses can make a significant contribution to research in this area. Nurses interested in presenting research on epilepsy self-management are asked to contact one of the coordinators.

**Quality and Value Indicators in the Care of Patients with Epilepsy**
Coordinator: Joseph I. Sirven, M.D.
Speakers: Paul C. Van Ness, M.D., Nathan B. Fountain, M.D., Richard Zimmerman, M.D.

There are eight proposed Epilepsy Quality metrics which will need to be addressed in each and every visit with patients with epilepsy in order to assure quality care. Topics to be covered include: Which epilepsy care metrics will serve as the Quality metrics for epilepsy care in the USA? What are the thoughts from government and other experts with experience in the measurement and reporting of Quality metrics? What are the implications for not recording or meeting quality measurements? Potential future studies involving Quality metrics will be reviewed.

3:30 p.m. – 5:00 p.m.
Special Interest Group Meetings

**Clinical Nursing**
Coordinators: Irene Dustin, M.S.N., CRNP, Sarah Kiel, M.S.N., CPNP
Speakers: TBD

This year’s clinical nursing SIG topic is managing the post-ictal patient. The emphasis will be on post-ictal psychosis. We will discuss the spectrum of behaviors encountered post-ictally and how to plan for the prevention and management of these problems. We will close with case discussions.

**Military Epileptology**
Coordinators: Jose E. Cavazos, M.D., Ph.D., Jonathan Halford, M.D.
Speakers: Karen L. Parko, M.D., Claude G. Wasterlain, M.D., Paul A. Rutecki, M.D., Sunita Dergalust, Pharm.D., BCPS

Issues of concern to military epileptologists include: 1) access of care to video EEG monitoring and Epileptologists within the VA, 2) implementation of VA Epilepsy Centers of Excellence, and 3) National VA Formulary and Generics.

**Patient Reported Outcomes**
Coordinators: Rosemarie Kobau, M.P.H., Erik K. St. Louis, M.D.
Speaker: Cindy Nowinski, M.D.

NIH Toolbox and Neuro-QOL are part of a multi-site effort supported by NIH to develop publicly available, health-related, quality of life (HRQOL) assessment tools (generic item banks, short forms and targeted scales) for adults and children with common neurological disorders including epilepsy. These tools are intended to be responsive to the needs of clinical researchers and will facilitate comparison of results across studies in different diseases.

**Programming Neurostimulation Devices: The Nuts and The Volts**
Coordinators: Douglas R. Labar, M.D., James W. Wheless, M.D.
Speakers: TBD

We will have three speakers who are clinically orientated engineers. They will discuss how stimulation parameters are ascertained, the range of stimulation and how this correlates with local charge density and desired effect, and safety issues related to stimulation. This will be discussed for vagus nerve stimulation (peripheral nerve), deep brain stimulation, and cortical stimulation. At the end we believe the attendees will have a better idea of how to adjust stimulation parameters when seeing patients with these devices. The discussion will also highlight why different settings are used for peripheral vs. intracranial stimulation. We believe this will be of benefit to all neurologist and neurosurgeons that see patients with these devices.
Overview
Outcomes in patients with epilepsy are highly unpredictable in respect to both the natural history of epilepsy and the effects of treatments. There is a need to more accurately counsel patients regarding outcomes and to optimize selection of individualized treatment. Epidemiologic data regarding the natural history of epilepsy will be presented and available outcome measures and their limitations will be reviewed. The clinical and EEG biomarkers that have been consistently identified in well-designed studies of epilepsy remission and intractability will be discussed. Various neuroimaging modalities, particularly MR, PET and SPECT, may provide biomarkers for the prognosis of both medical and surgical treatment. Pharmacogenomics may provide biomarkers that predict response to anti-epileptic drug therapy and enable individualized treatment. Attempts to identify reliable pharmacogenomic biomarkers in epilepsy have so far been disappointing, but, advances in genomic technology and bioinformatics may eventually redress this. It is likely that multiple biomarkers will need to be considered for optimal outcome prediction in epilepsy. The epidemiological constraints on predictive pharmacogenetic testing will be explored.

Learner Outcomes
- Knowledge regarding epilepsy outcomes will enable more accurate counseling of patients and choice of treatments
- The limitations of currently available biomarkers in predicting epilepsy outcomes will be understood allowing appropriate use of diagnostic testing
- The potential utility of pharmacogenomics in predicting response to treatment will allow use of this technique by clinicians as improved predictability is achieved
- To review new findings in neurophysiology, imaging and genetics which assist in the diagnosis and treatment of epilepsy.

Target Audience
Neurologists, neurophysiologists, pharmacologists and pharmacists, epileptologists, neuroscientists interested in translational research

Program
Co-Chairs: Terence J. O’Brien, M.D., FRACP; R. Edward Hogan, M.D.

The Unpredictability of Epilepsy Outcomes
David M. Ficker, M.D.

Clinical and EEG Biomarkers
Elson L. So, M.D.

Imaging Biomarkers (MRI, PET, SPECT)
R. Edward Hogan, M.D.

Pharmacogenomic Biomarkers
Terence J. O’Brien, M.D., FRACP

Multivariate Predictive Models for Epilepsy Outcomes
Michael E. Johnson, M.D., Ph.D.
Overview
This symposium will review the theory and use of self-management care in people with epilepsy and other chronic health disorders. There will be presentations of research regarding key components, outcomes, and predictors of effective self-management in epilepsy. Selected interventions that enhance knowledge and self-efficacy, change behavior, or increase coping and social support will be explored. Community and web-based supports and programs will be discussed as innovative ways of enhancing self-management outside of clinical practice settings.

Learner Outcomes
- Apply the theory of self-management with chronic health disorders to people with epilepsy
- List major components and predictors of effective epilepsy self-management
- Identify interventions that promote self-management
- Access resources in the community and on the Web which will help individual people with epilepsy develop self-management skills.

Target Audience
Nurses, physicians, psychiatrists, psychologists, social workers, epilepsy educators and other professionals in epilepsy care

Program
Co-Chairs: Sandra Cushner Weinstein, PT, LCSW-C and Patricia Osborne Shafer, RN, M.N.
Opening Remarks: Patient Perspective vs. Medical Perspective
Sandra Cushner Weinstein, PT, LCSW-C

Theory of Self Management
Colleen Dilorio, RN, Ph.D.

Epilepsy Self-Management in Clinical Practice: What We Do and Know
Patricia Osborne Shafer, RN, M.N.

Educational Methods: Role of Education and Self Advocacy for People with Epilepsy
Janice M. Buelow, RN, Ph.D.

Programs to Support Self-Management
Colleen Dilorio, RN, Ph.D.

Psychoeducational Methods: Resilience and Adaptive Coping: The Role of Camps and Support Groups
Sandra Cushner Weinstein, PT, LCSW-C

Cognitive Behavior Therapy Targeting Seizure Triggers
Donna Andrews, Ph.D.

Cognitive Behavior Therapy for Non-epileptic Seizures
W. Curt LaFrance, Jr., M.D., M.P.H.

Credit Designation
The American Epilepsy Society designates this education activity for a maximum of 2.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Sleep and Epilepsy
Coordinators: Carl Bazil, M.D., Ph.D., Mark S. Quigg, M.D.
Speaker: Jeff Ellenbogen, M.D.

Memory loss and cognitive dysfunction are nearly universal concerns in people with epilepsy, however the potential causes are many. This year’s SIG will focus on the role sleep plays in memory consolidation and cognitive processing — an exciting, rapidly changing field. Relevance of recent findings specifically to patients with epilepsy will also be discussed.

Surgery
Coordinator: Michael M. Haglund, M.D., Ph.D.
Speakers: TBD

We will present cases from multiple institutions that resulted in interesting findings with regards to mapping preoperative function or epileptiform activity and surgical resections. This session has provided outstanding feedback from audience participation and great discussions. We look forward to having another exciting session. Please e-mail Michael Haglund at michael.haglund@duke.edu with cases before the meeting, so we can schedule the appropriate list. The earlier the better, as we have more cases than we can possibly present each year.

2:00 p.m. – 5:00 p.m.
Merritt-Putnam Symposium: Beyond Seizures: Mechanisms Underlying Epilepsy Spectrum Disorder

Overview
Over the last several years, our field has become increasingly aware of the complex relationships between epilepsy and a host of cognitive, behavioral, psychiatric, and other neurological disorders, and even sudden death.

Clinical evidence supports the hypothesis that the underlying pathologies responsible for causing epilepsy may directly contribute to cognitive and other disorders associated with epilepsy. At the same time, increasing evidence points to a direct role for seizures themselves in contributing to the cognitive and behavioral disorders seen in epilepsy. Laboratory models are elucidating both sets of mechanisms. Recent evidence suggests that seizures and epilepsy may also be components of other cognitive disorders, such as autism and dementia. In addition, many anticonvulsant drugs are also used for neuropsychiatric indications, supporting at least partially shared mechanisms for the cognitive comorbidities of epilepsy and the ictal disorder itself.

Epilepsy is defined by the occurrence of seizures, but it is a disorder that exists within a wide spectrum of other disorders. While seizures often remain the focus of clinical care, the many other cognitive and behavioral disorders associated with epilepsy may be just as troubling, if not more so, to the patient and family. A comprehensive and effective approach to treating and managing epilepsy requires a sophisticated appreciation for the intricate relationships between epilepsy and these various other disorders.

This year’s symposium will investigate our emerging clinical understanding and the basic neuroscience foundations of these associations.

Learner Outcomes
- Differentiate between the impact of epilepsy itself and associated cognitive and developmental comorbidities and direct appropriate intervention
- Assess the potential causes of comorbidities in patients with epilepsy and develop appropriate treatment strategies
- Evaluate psychiatric disorders which affect people with epilepsy and determine options for treatment
- Recognize the similar CNS mechanisms for epilepsy and other neuropsychiatric disorders when formulating plans for care.

Target Audience
Neurologists, neuropsychologists, psychiatrists, psychologists, social workers, pediatric neurologists, nurses and neuroscientists interested in translational research

Program
Chair: Frances E. Jensen, M.D.

Epilepsy, Cognition and Behavior: The Clinical Picture
Anne T. Berg, Ph.D.

Mechanisms Underlying Cognitive Impairment in Early-life Epilepsies
Amy Brooks-Kayal, M.D.

Epilepsy and Psychiatric Disorders: The Bidirectional Comorbidity
Andres M. Kanner, M.D.

Break 3:15 p.m. – 3:30 p.m.

The Serotonin Axis: Shared Mechanisms in Seizures, Depression and SUDEP
George B. Richerson, M.D., Ph.D.

Epilepsy and Dementia: Converging Mechanisms
Jeffrey L. Noebels, M.D., Ph.D.

Diagnosis and Management of the Non-ictal Components of Epilepsy: Implications From Novel Clinical and Basic Neuroscience
Frances E. Jensen, M.D.

Credit Designation
The American Epilepsy Society designates this education activity for a maximum of 2.75 AMA PRA Category 1 Credits ™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

2:30 p.m. – 4:00 p.m.
Special Interest Group Meetings

Engineering & Epilepsy
Coordinators: Piotr J. Franaszczuk, Ph.D., Gregory K. Bergey, M.D.
Speakers: Marvin A. Rossi, M.D., Ph.D., Seyed Mirsattari, M.D., Ph.D., FRCP(C)
Theodore Schwartz, M.D.

Traditional methods of focal epileptogenic changes include various electromagnetic field changes (e.g. EEG, MEG). Recently innovative techniques have been applied to both ictal and interictal activity to provide additional modalities to assess seizure activity. These methods can assist in seizure localization to either confirm more traditional methods or assist when routine methods do not provide definitive information. Ictal SPECT studies of focal changes in cerebral perfusion, fMRI assessment of interictal spikes, and optical imaging of hemodynamic changes associated with epileptogenic activity will be discussed. The potential benefits and pitfalls of these emerging technologies will be addressed.

MEG/MSI
Coordinator: Jerry J. Shih, M.D.
Speakers: TBD

A panel of investigators in adult epilepsy, pediatric epilepsy, and cognitive neurosciences will select and present the most important scientific discoveries in the MEG field in the past five years and their impact on clinical practice. Presenters will be asked to hypothesize what MEG studies will show us in the five years. Audience participation is strongly encouraged in what should be a lively Q & A session.

Translational Research: Financing CNS Therapies in 2010 and Beyond
Coordinators: Thomas P. Sutula, M.D., Ph.D., Warren Lammert
Speakers: TBD

This SIG will discuss how the global financial downturn, escalating complexity of regulatory requirements, increasing development costs, and questions about the future of health care systems and markets have created
uncertainties about prospects for return on investment that are significantly impacting every stage of the therapy development, potentially limiting innovation and introduction of new therapies. Speakers will include representatives from academia, small and big pharma, and institutional investors in biotech/pharma.

**Overview**

Clinical consortia and basic science research can provide important information for the practicing clinician but only if the clinician is aware of the limits and strengths of these data. Gathering appropriate and complete clinical information in a comprehensive and efficient fashion allows for effective treatment recommendations and patient education. This symposium will focus on current sources of information regarding best practices as determined by both clinical consortia and focused basic research that examine utility and safety of treatment options for both newly-diagnosed and pharmacoresistant patients. Incorporating this information, i.e., translating research into practice, will allow the clinician to make informed recommendations to both pediatric and adult patients with epilepsy. Two lectures will address sources of treatment information as provided by clinical consortia and focused basic translational research. Two additional lectures will focus on the effective development of treatment strategies for the adult and pediatric patient population.

**Learner Outcomes**

- Improve treatment outcomes by participating in clinical consortia which provide “real life” experience with the full variety of treatment options
- Incorporate into clinical decision-making an understanding of how translational research impacts patient care, including the utility of the current preclinical model systems that are employed for the development of new AEDs, structuring clinical trials, and assessing comorbidities
- Develop an efficient process to collect vital information regarding treatment efficacy and adverse events and assess the presence of existing comorbidities; utilize this information to synthesize a treatment plan and provide adequate education to the patient and his/her caregiver.

**Target Audience**

Neurologists, nurses, psychologists, social workers, pharmacists, and basic researchers conducting translational research

**Program**

Co-Chairs: H. Steve White, Ph.D. and Tracy Glauser, M.D.

**Opening Remarks**

H. Steve White, Ph.D.

**There are Big Holes in Our Patient-Oriented Research: Could Consortium Trials Be the Plug?**

Jacqueline A. French, M.D.

**There is More to Epilepsy Than Seizures: A User-Friendly Strategy to Assess Efficacy and Tolerability of Pharmacotherapy with AEDs and to Screen for Co-morbidities in Adult Patients**

Andres M. Kanner, M.D.

**Strategies for Improving Clinic Efficacy in Pediatric Epilepsy Care**

Tracy A. Glauser, M.D.

**Advances in Basic and Translational Research in Developing Antiepileptogenic and Neuroprotective Treatments for Epilepsy**

Michael Wong, M.D., Ph.D.

**Group Discussion**

H. Steve White, Ph.D.

**Credit Designation**

The American Epilepsy Society designates this education activity for a maximum of 2.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**6:00 p.m. – 7:30 p.m.**

**AET Symposium: Treatment Strategies for the Patient with Epilepsy**

**Overview**

Clinical consortia and basic science research can provide important information for the practicing clinician but only if the clinician is aware of the limits and strengths of these data. Gathering appropriate and complete clinical information in a comprehensive and efficient fashion allows for effective treatment recommendations and patient education. This symposium will focus on current sources of information regarding best practices as determined by both clinical consortia and focused basic research that examine utility and safety of treatment options for both newly-diagnosed and pharmacoresistant patients. Incorporating this information, i.e., translating research into practice, will allow the clinician to make informed recommendations to both pediatric and adult patients with epilepsy. Two lectures will address sources of treatment information as provided by clinical consortia and focused basic translational research. Two additional lectures will focus on the effective development of treatment strategies for the adult and pediatric patient population.

**Learner Outcomes**

- Improve treatment outcomes by participating in clinical consortia which provide “real life” experience with the full variety of treatment options
- Incorporate into clinical decision-making an understanding of how translational research impacts patient care, including the utility of the current preclinical model systems that are employed for the development of new AEDs, structuring clinical trials, and assessing comorbidities
- Develop an efficient process to collect vital information regarding treatment efficacy and adverse events and assess the presence of existing comorbidities; utilize this information to synthesize a treatment plan and provide adequate education to the patient and his/her caregiver.

**Target Audience**

Neurologists, nurses, psychologists, social workers, pharmacists, and basic researchers conducting translational research

**Program**

Co-Chairs: H. Steve White, Ph.D. and Tracy Glauser, M.D.

**Opening Remarks**

H. Steve White, Ph.D.

**There are Big Holes in Our Patient-Oriented Research: Could Consortium Trials Be the Plug?**

Jacqueline A. French, M.D.

**There is More to Epilepsy Than Seizures: A User-Friendly Strategy to Assess Efficacy and Tolerability of Pharmacotherapy with AEDs and to Screen for Co-morbidities in Adult Patients**

Andres M. Kanner, M.D.

**Strategies for Improving Clinic Efficacy in Pediatric Epilepsy Care**

Tracy A. Glauser, M.D.

**Advances in Basic and Translational Research in Developing Antiepileptogenic and Neuroprotective Treatments for Epilepsy**

Michael Wong, M.D., Ph.D.

**Group Discussion**

H. Steve White, Ph.D.

**Credit Designation**

The American Epilepsy Society designates this education activity for a maximum of 2.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**6:00 p.m. – 7:30 p.m.**

**Investigators’ Workshop**

**The Impact of Neuroinflammation on Neuronal Excitability and Excitotoxicity**

Moderator: Annamaria Vezzani, Ph.D.

Speakers: Andrea Volterra, Michael S. Beattie, Ph.D., Mattia Maroso

**6:00 p.m. – 8:00 p.m.**

**Translational Investigators’ Workshop**

**Mapping Cortical Function with Intracranial Electrodes: Pushing Beyond Penfield**

Moderator: Daniel Yoshor, M.D.

Speakers: Michael S. Beauchamp, M.D., Robert T. Knight, M.D., Geoffrey Ghose, Itzhak Fried, M.D., Ph.D.

**6:00 p.m. – 7:30 p.m.**

**Special Interest Group Meetings**

**Basic Neuroscience**

Coordinators: Karen S. Wilcox, Ph.D., Céline M. Dubé, Ph.D.

Speakers: Céline M. Dubé, Ph.D., Timothy A. Benke, M.D., Ph.D., Pierre-Pascal Lenck-Santini, Ph.D.

The SIG will focus on a discussion on the cognitive deficits after early-life seizures and their mechanisms. Dr. Céline M. Dubé will discuss the age and model dependent effects of seizures on cognition function. Dr. Timothy A. Benke will review the mechanisms underlying the cognitive impairments after early-life seizures. Pierre-Pascal Lenck-Santini will give an overview on the most suitable cognitive tests and their meanings.

**Clinical Roundtable**

Coordinator: Kevin E. Chapman, M.D.

Speakers: Tallie Z. Baram, M.D., Ph.D., Eric Kossoff, M.D., O. Carter Sneed, III, M.D., FRCP

With the expectant approval of vigabatrin in the U.S., another weapon will be available for combating infantile spasms. Debate continues about which treatment is “best,” and where vigabatrin fits in the armamentarium of the pediatric epileptologist. The goal of this session is to debate the merits of different treatments, including vigabatrin, ACTH/Steroids, and ketogenic diet. Case discussions are encouraged from the audience.

**Neuropsychology**

Coordinator: Marla Hamberger, Ph.D.

Speakers: Jeffrey Binder, M.D., David W. Loring, Ph.D., Fari Andelman, Ph.D.

Compared to an overabundance of discussions on Wada testing in the 1990s, the topic has received little attention during the past decade. Three speakers will each take one of the following positions: 1) retain the procedure, 2) modify the procedure with regard to patient selection and choice of anesthesia and 3) replace the Wada with noninvasive imaging techniques.
Non-epileptic Seizures
Coordinators: Selim R. Benbadis, M.D., John J. Barry, M.D.
Speakers: Selim R. Benbadis, M.D., W. Curt LaFrance, Jr., M.D., M.P.H.,
Laura H. Goldstein, Ph.D., M.Phil.

Our group will be presenting a two-part presentation. The first is on
Diagnostic Issues in NES by Dr. Benbadis. He will also discuss the tragedy of
over-read EEGs, which is a major contributor to the misdiagnosis of epilepsy.
The second will be on Treatment Issues and Dr. Goldstein will present data on
recent study using CBT treatment and Dr. LaFrance will present his study data
on antidepressant treatment for people with NES.

Pregnancy Registry Outcomes
Coordinators: Cynthia L. Harden, M.D., Georgia D. Montouris, M.D.
Speakers: Representatives from registries worldwide

The Pregnancy Outcomes SIG is designed to be a resource for information
regarding pregnancy-related outcomes in women with epilepsy. It will provide
presentations and discussion of the most up-to-date information from the
major antiepileptic drug (AED) pregnancy registries and other data regarding
pregnancy outcomes. The goal is to improve the ability to make evidence-
based decisions in treating women of childbearing age who have epilepsy.

Tuberous Sclerosis Complex (TSC)
Coordinators: Vicky H. Whittemore, Ph.D., Gregory L. Holmes, M.D.
Speakers: Orrin Devinsky, M.D., Howard L. Weiner, M.D., Joyce Wu, M.D.,
Gary W. Mathern, M.D.

Two groups will present different strategies for the pre-surgical workup and
surgical approaches in epilepsy surgery for individuals with TSC.
Overview
The AES annual course this year is devoted to epilepsy surgery. The course will emphasize selection criteria for surgery, reviewing the clinical and laboratory features employed to determine candidacy for surgery. Speakers will review the characteristics that favor surgical treatment and those that militate against surgery. The program includes lectures, debates about surgical controversies, and case studies, and has an internationally renowned faculty.

Target Audience
Practicing physicians, fellows, residents, nurses, pharmacists, neuropsychologists and research scientists

Learner Outcomes
- Identify the historical features that suggest that an individual patient is a good candidate to consider epilepsy surgery, and the historical features that suggest that an individual patient is not a good candidate to consider epilepsy surgery
- Identify how diagnostic tests, including EEG, MRI, MEG, Wada test, PET scan and others can be used to select candidates for surgery, and how they impact prognosis
- Discuss how to define surgical margins, both with regard to maximizing surgical benefit and minimizing complication rates
- Identify methods to map cortical function
- Determine how data obtained during the preoperative evaluation process is integrated and how decisions are made
- Review indications for reoperation after unsuccessful epilepsy surgery.

Program
Chair: Michael R. Sperling, M.D.

8:00 – 8:10 a.m.  Introduction and Case Presentations
Michael R. Sperling, M.D.
- Case of uncontrolled CPS with dominant temporal lobe structural lesion
- Case of uncontrolled CPS and secondarily generalized partial seizures of extratemporal origin
- Case of uncontrolled drop attacks in patient with Lennox-Gastaut syndrome

8:10 – 8:40 a.m.  Who Should Consider Surgery? Recognizing a Surgical Candidate at an Office Interview
Frank G. Gilliam, M.D., M.P.H.

8:40 – 9:10 a.m.  Localizing and Lateralizing Features of Auras and Seizures
Nancy R. Foldvary-Schaefer, D.O.

9:10 – 9:30 a.m.  The Interictal EEG
Barbara Dworetzky, M.D.

9:30 – 10:05 a.m.  Debate: MEG Adds Value to the Surgical Evaluation Process
Hermann Stefan, M.D. and Robert C. Knowlton, M.D.

10:05 – 10:25 a.m.  Break

10:25 – 10:45 a.m.  Identifying a Structural Lesion
Graeme D. Jackson, M.D., FRACP

10:45 – 11:20 a.m.  Debate: Surgery Should Generally Not Be Performed in the Absence of a Well-defined Structural Lesion
Gregory D. Cascino, M.D. and Itzhak Fried, M.D., Ph.D.

11:20 – 11:40 a.m.  Interictal Cortical Dysfunction
Thomas R. Henry, M.D.

11:40 – 12:15 p.m.  Debate: The Wada Test Is Obsolete
John T. Langfitt, Ph.D. and Ashwini Sharan, M.D.

12:15 – 12:55 p.m.  Lunch Break

12:55 – 1:20 p.m.  Debate: Is It Necessary to Define the Ictal Onset Zone with EEG Prior to Performing Resective Epilepsy Surgery?
John W. Miller, M.D., Ph.D. and Andrew J. Cole, M.D.

1:20 – 1:55 p.m.  Assessment of Safety of Resection/Functional Capacity
Ronald P. Lesser, M.D.

1:55 – 2:20 p.m.  fMRI as a Tool to Map Cortical Function: Is It Ready for Prime Time?
Jeffrey R. Binder, M.D.

2:20 – 2:50 p.m.  Debate: Planning Extent of Resection: The Benefits of Small Targeted Resections vs. Large Extensive Resections
Jeffrey P. Blount, M.D. and Robert E. Gross, M.D., Ph.D.

2:50 – 3:00 p.m.  Synthesis of Data
John S. Duncan, M.D., FRCP

3:00 – 3:30 p.m.  Reoperation: If Primary Surgery Fails, When Should Reoperation Be Considered?
Robert R. Goodman, M.D., Ph.D.

3:30 – 3:50 p.m.  Debate: Is It Necessary to Define the Ictal Onset Zone with EEG Prior to Performing Resective Epilepsy Surgery?
John W. Miller, M.D., Ph.D. and Andrew J. Cole, M.D.

3:50 – 4:20 p.m.  fMRI as a Tool to Map Cortical Function: Is It Ready for Prime Time?
Jeffrey R. Binder, M.D.

4:20 – 4:30 p.m.  Outcome of the Cases Discussed and Conclusion
Michael R. Sperling, M.D.

Credit Designation
The American Epilepsy Society designates this education activity for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Overview
These workshops, conducted informally and designed to encourage interaction, will address several important areas of rapidly emerging knowledge in clinical management and research in epilepsy. The workshops are designed to identify challenges in current research, propose methods to overcome those challenges, and identify areas for future investigations.

The four Clinical Investigator Workshops provide a series of working seminars in areas of active clinical investigation and controversy. In addition, the Clinical Investigator Workshops cover basic research approaches germane to each clinical topic in addition to relevant and recent human studies. Speakers present results from their ongoing research and place their findings in the context of current understanding. This year’s topics have a focus on advanced imaging techniques (‘Magnetic Resonance Imaging Changes After Prolonged Febrile Seizures and Temporal Lobe Epilepsy’ and ‘Imaging Drug-Resistance’) as well as on advanced electrophysiological and neurochemical recording techniques applicable to the human brain (‘Sensing the Brain in Epilepsy’). These topics exemplify the value of epilepsy research as a window into the functioning of the human brain. Accordingly, one of these workshops has been selected in a translational category for a longer presentation of two hours in order to accommodate a particularly broad scope from basic to clinical research (‘Mapping Cortical Function with Intracranial Electrodes: Pushing Beyond Penfield’).

The 11 Basic Science Workshops will highlight a number of research areas which have been developing rapidly over the last year. These include the relationship between epilepsy and depression (‘Epilepsy and Depression: The Two Faces of BDNF/Jak Dependent Neurogenesis’), the role of nonneuronal cells in epilepsy (‘The Impact of Neuroinflammation on Neuronal Excitability and Excitotoxicity’ and ‘Neuron-glia Signaling and Epilepsy’), seizures in the immature brain (‘Rodent Models of Febrile Seizures’ and ‘Do Neonatal Seizures per se Cause Brain Damage? New Insights from Mutations of Potassium Channels’), novel therapeutic approaches (‘Stem Cells and Epilepsy’ and, ‘Curing the Disease by Replacing the Defective Gene: Is It So Straightforward?’). Further workshops focus on ‘Possible Mechanisms of SUDEP: Towards Prediction and Prevention’ and the neurobiology and treatment of tuberous sclerosis (‘Rapamycin: From Tuberous Sclerosis and Beyond’). Workshops on emerging imaging modalities in basic research include ‘Optical Imaging of Epilepsy: Hemodynamic and Light Scattering Changes in the Brain’ and ‘Imaging Synchrony with Activity-dependent Dyes: The Nuts and Bolts’.

The Basic Science Workshops are scheduled on three days of the Meeting. Most of the workshops will run as concurrent sessions on Sunday, while two concurrent workshops including the longer translational workshop are scheduled for Saturday evening and one single workshop on Monday afternoon.

This year we will feature one of the Epilepsy Research Recognition Award recipients in a keynote address on Sunday.

Target Audience
Basic scientists, neurologists, neuroscientists, pharmacologists, neuropyschologists and neurosurgeons who are investigators performing studies in epilepsy

Program
Investigators’ Workshop: Heinz Beck, M.D., Chair, Nicholas P. Polos, M.D., Ph.D., Vice Chair
Clinical Investigators’ Workshop: Matthias J. Koepp, M.D., Ph.D., Chair

Morning Session I – 8:00 a.m. - 9:30 a.m.

1. Magnetic Resonance Imaging Changes After Prolonged Febrile Seizures and Temporal Lobe Epilepsy: What Basic Science Can Learn from Clinical Studies and Vice Versa
Moderator: Celine Dubé, Ph.D.
Speakers: Darrell V. Lewis, Jr., M.D., Celine Dubé, Ph.D., Olli Gröhn, Ph.D.

2. Epilepsy and Depression: The Two Faces of BDNF/Jak Dependent Neurogenesis
Moderator: Andre Lagrange, M.D., Ph.D.
Speakers: Linda Overstreet-Wadiche, Ph.D., Shelley Russek, Ph.D., Francis Lee, M.D., Ph.D.

3. Stem Cells and Epilepsy
Moderators: Jack M. Parent, M.D. and Scott C. Baraban, Ph.D.
Speakers: Hongjun Song, Ph.D., Scott C. Baraban, Ph.D., Jack M. Parent, M.D., Lori L. Isom, Ph.D.

Break: 9:30 a.m. - 10:00 a.m.

Morning Session II – 10:00 a.m. - 11:30 a.m.

4. Imaging Drug Resistance
Moderator: Matthias J. Koepp, M.D., Ph.D.
Speakers: Oliver Langer, M.D., Sanjay M. Sisodiya, M.D., Philippe Ryvlin, M.D., Ph.D., Matthias J. Koepp, Ph.D.

5. Rapamycin: From Tuberous Sclerosis and Beyond
Moderator: Aristea Galanopoulou, M.D., Ph.D.
Speakers: Peter B. Crino, M.D., Ph.D., Michael Wong, M.D., Ph.D., Paul S. Buckmaster, D.V.M., Ph.D., Emmanuel Raffo, M.D., Ph.D.

6. Imaging Synchrony with Activity-dependent Dyes: The Nuts and Bolts
Moderator: Kevin J. Staley, M.D.
Speakers: Rosa Cossart, Douglas A. Coulter, Ph.D., Kevin J. Staley, M.D., John White, Ph.D.

11:30 a.m. - 1:00 p.m. Poster Session (Boxed Lunch)

1:15 p.m. - 1:45 p.m. Keynote Speakers

Afternoon Session I – 2:00 p.m. - 3:30 p.m.

7. Possible Mechanisms of SUDEP: Towards Prediction and Prevention
Moderator: Joseph W. Sander, M.D., Ph.D., FRCP
Speakers: Joseph W. Sander, M.D., Ph.D., FRCP, Stilyian Kalitzin, Ph.D., Brian Murray, M.D., FRCP, Peter L. Carlen, M.D.

8. Do Neonatal Seizures per se Cause Brain Damage? New Insights from Mutations of Potassium Channels
Moderator: Maria R. Cilio, M.D., Ph.D.
Speakers: Timothy Benke, M.D., Ph.D., Maria R. Cilio, M.D., Ph.D., Maurizio Taglialatela, M.D., Ph.D., Nanda A. Singh, Ph.D.

9. Optical Imaging of Epilepsy: Hemodynamic and Light Scattering Changes in the Brain
Moderator: Theodore H. Schwartz, M.D., FACS
Speakers: Michael M. Haglund, M.D., Ph.D., Theodore H. Schwartz, M.D., FACS, Sydney Cash, M.D., Ph.D., Devin K. Binder, M.D., Ph.D.

Break: 3:30 p.m. - 4:00 p.m.

Afternoon Session II – 4:00 p.m. - 5:30 p.m.

10. Sensing the Brain in Epilepsy
Moderators: Hitten P. Zaveri, Ph.D. and Dennis D. Spencer, M.D.
Speakers: Bruce Lanning, Ph.D., Daryl Kipke, Ph.D., Miguel Nicolelis, M.D., Ph.D.

11. Curing the Disease by Replacing the Defective Gene: Is It So Straightforward?
Moderator: Russell M. Sanchez, Ph.D.
Speakers: Beverly Davidson, Ph.D., Francesco Noe, Thomas J. McCown, Ph.D.

12. Neuron-glia Signaling and Epilepsy
Moderator: Christian Steinhäuser, Ph.D.
Speakers: Giorgio Carmignoto, Ph.D., Annamaria Vezzani, Ph.D., Christian Steinhäuser, Ph.D.
**SUNDAY December 6, 2009**

**12:15 p.m. – 1:15 p.m.**
**Mentoring Session for Junior Investigators**
Pre-application is required

This program is targeted to fellows, postdoctoral researchers, instructors, and assistant professor level junior faculty. Epilepsy professionals at the Associate Professor or Professor level will volunteer to serve as mentors. Accepted applicants will meet with their assigned mentors during this time. Mentor and mentee applications will be available on the AES Web site this summer. The deadline for application will be September 1, 2009.

**5:00 p.m. – 6:30 p.m.**
**Reception in Support of Lennox and Lombroso Trust for Research & Training**

Share the dream to cure epilepsy! Come mingle with your colleagues and show your support at the Annual Reception. A voluntary, tax deductible contribution of $50, or whatever you can contribute, will benefit the Lennox and Lombroso Trust for Research & Training. To assist in planning, advanced registration is required.

**5:30 p.m. – 7:00 p.m.**
**Investigators’ Workshop Poster Session**

This evening poster session features basic science posters.

**7:00 p.m. – 9:00 p.m.**
**Epilepsy Monitoring Units Symposium: Expert Consensus on Patient Safety**

**Overview**
Patient safety in epilepsy monitoring Units (EMU) is a common concern but data defining appropriate practice to promote patient safety in EMUs is lacking. A recent survey identified a wide variation in clinical practice and a lack of consensus regarding patient management in EMUs. This program will build on the findings of the AES EMU Patient Safety workgroups that were presented last year. Findings from a study using a Delphi Technique will be presented to establish expert consensus on patient safety recommendations. Methods for applying recommendations and evaluating outcomes will be discussed.

**Learner Outcomes**
- Evaluate issues that affect safety in the EMU
- Assess the Delphi Study findings regarding patient care within the EMU
- Strategize methods that may be used to apply recommendations to build a safer EMU
- Understand the impact of EMU safety practices on patient outcomes and apply this understanding in assessing practices at individual facilities
- Implement patient safety efforts within the EMU.

**Target Audience**
Neurologists, nurses and other midlevel practitioners, neurodiagnostic technologists, hospital administrators

**Program**
Co-Chairs: Janice M. Buelow, RN, Ph.D. and Gregory L. Barkley, M.D.

**Introduction and Overview of Patient Safety**
Janice M. Buelow, RN, Ph.D.

**Methodology: Use of the Delphi Techniques**
Mary Jo Pugh, RN, Ph.D.

**Findings: Expert Consensus for Patient Safety**
Paul Levisohn, M.D. and Christine O’Dell, RN, M.S.N.

**Clinical Relevance and Applications of Findings**
Patricia O. Shafer, M.N., RN and Gregory L. Barkley, M.D.

**Credit Designation**
The American Epilepsy Society designates this education activity for a maximum of 2.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity will be submitted to the Association of Rehabilitation Nurses (ARN) for 2.0 contact hours. ARN is accredited as an approver of continuing nursing education by the American Nursing Credentialing Center’s Commission on Accreditation.
Special Interest Group Meetings

Botanicals and Alternative Treatments for Epilepsy
Coordinators: Siegward-M. Elsas, M.D., Steven C. Schachter, M.D.
Speakers: Joel Reiter, M.D., Jonathan E. Walker, M.D., M. Barry Sterman, Ph.D.

In this session, we will discuss the possible role of EEG biofeedback as an aid to improve seizure control in epilepsy patients, by considering the experience of several centers which use widely differing methods to accomplish similar goals.

Children’s Hour
Coordinators: Marcio A. Sotero de Menezes, M.D., Lionel Carmant, M.D.
Speakers: J. Helen Cross, M.D., Ph.D., Mohamad Mikati, M.D., Ph.D., Graziella di Cristo, M.D., Janet Soul, M.D.

During the Children’s Hour we will discuss the therapeutic approach to neonatal seizures. Dr. Helen Cross will discuss previous and ongoing cohort studies on the outcome of neonatal seizures. Dr. Mohamad Mikati will discuss experimental evidence showing that using conventional therapeutic targets might be deleterious to the developing brain. Dr. Graziella di Cristo will discuss the mechanisms by which GABAergic drugs can indeed lead to abnormal development of neuronal networks and Dr. Janet Soul will discuss new therapeutic options specific to the newborn with a focus on the bumetanide trial.

Junior Investigator Workshop
Coordinators: Audrey S. Yee, M.D., Brandy Fureman, Ph.D.
Speakers: Robert L. Macdonald, M.D., Ph.D., Russell M. Sanchez, Ph.D., Brenda E. Porter, M.D., Ph.D.

Starting a new lab and new academic position can be daunting processes. We will discuss “nuts and bolts” of starting a lab, techniques for finding advocates/mentors/go-to people who have charted similar courses. We will also discuss furnishing your lab and techniques for finding individuals to staff your lab.

Neurendocrinology
Coordinators: Jana Veliskova, M.D., Ph.D., Doodipala S. Reddy, Ph.D., R.Ph.
Speakers: TBD

The delta-subunit containing GABAA receptors, located perisynaptically/extrasynaptically, mediate “tonic” current activated by ambient GABA levels, thus “setting” the baseline excitability of neurons. Neurosteroids potentiate most GABAA receptor isoforms, but the delta-subunit containing receptors are more sensitive to neurosteroids making them the prime targets. The delta-subunit undergoes dynamic plasticity in epilepsy and during ovarian cycle. This SIG will focus on delta-subunit as a novel target for seizure disorders.

Neuropathology
Coordinator: Harvey B. Sarnat, M.D., FRCPC
Speakers: TBD

Description to come

Temporal Lobe Club
Coordinators: Robert J. Gumnit, M.D. and Jerome Engel, Jr., M.D., Ph.D.
Speakers: Andrew N. Wilner, M.D., RACP, FAAN, Robert J. Gumnit, M.D.

Recent data indicate that the number of hospitalizations for epilepsy has increased significantly since these reports were published; however, there is no evidence to show a comparable increase in surgical procedures performed for epilepsy during this time. Epilepsy hospitalizations, as well as data for epilepsy surgery from the NAEC will be presented, and the underutilization of surgical therapy for epilepsy will be discussed.
Presidential Symposium: It Takes a Village: Solving the Treatment Gap

Overview
The successful pharmacological, surgical and psychosocial management of patients with epilepsy generally requires sustained access to competent and knowledgeable physicians and, often, allied healthcare providers, as well as suitable therapies that are continually available, affordable and culturally acceptable. Patients who lack access to appropriate care providers or therapies, or both, are affected by the treatment gap, and represent the large majority of patients with epilepsy worldwide, with devastating consequences. This symposium explores the underlying reasons for the treatment gap in developed and developing countries, and explores potential solutions and their relevance to the care of all patients with epilepsy.

Learner Outcomes
- Define the extent of the treatment gap in developing and developed countries and the consequences for patient care
- Identify underlying reasons for the treatment gap and describe the Out of the Shadows global campaign
- State the impact of educational efforts and demonstration projects on the treatment gap and apply that knowledge in meeting treatment gaps in provision of clinical care
- Compare and contrast models for closing treatment gaps in therapeutic areas other than epilepsy and apply lessons from these models to treatment of patients with epilepsy
- Categorize the ongoing research and list the unanswered questions that may lead to solutions for the treatment gap
- Evaluate the potential impact of global efforts to close the treatment gap on the care of all patients with epilepsy

Target Audience
Neurologists, nurses and midlevel providers, pharmacists, social scientists, and other professionals in epilepsy care

Program
Chair: Steven C. Schachter, M.D.

It Takes a Village: Overview
Jerome Engel, Jr., M.D., Ph.D.

The Epilepsy Treatment Gap: Where and Why
Samuel Wiebe, M.D.

Approaches to Narrowing the Treatment Gap in Epilepsy
Gretchen Birbeck, M.D., M.P.H.

Models for Closing Treatment Gaps Outside of Epilepsy
John Howe, M.D.

Calling All Villagers: Where Do We Go From Here?
Steven C. Schachter, M.D.

Credit Designation
The American Epilepsy Society designates this education activity for a maximum of 2.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
6:30 p.m. – 8:30 p.m.
Pediatric State of the Art Symposium: Treatable Metabolic Epilepsies

Overview
This symposium will review epilepsies due to inherited disorders that are treatable, yet catastrophic if unrecognized. An overview of treatable metabolic epilepsies (presenting as neonatal seizures, infantile spasms and medication-resistant seizures) will provide background and examples of conditions which require rapid identification. Three specific disorders [vitamin dependent epilepsies, glucose transporter deficiency and DEND (developmental delay, epilepsy, and neonatal diabetes)] will be discussed in depth, including diagnostic testing and treatment.

Learner Outcomes
► Differentiate between potentially catastrophic metabolic disorders of neonates and infants which present with early-onset seizures including myoclonic seizures and infantile spasms
► Based on knowledge of the clinical presentation of inherited metabolic disorders, perform appropriate diagnostic testing (e.g., lumbar puncture to rule out hypoglycorrachia) in the evaluation of refractory epilepsy of unidentified etiology
► Having identified the metabolic disorder producing seizures, administer disease-specific treatment (e.g., pyridoxal-5-phosphate or intravenous pyridoxine in an infant with neonatal seizures)

Target Audience
Pediatric neurologists, epileptologists, neuroscientists, pediatricians and neurology nurse specialists

Program
Chair: Phillip L. Pearl, M.D.
The Top Ten Diagnoses You Can't Afford to Miss
Phillip L. Pearl, M.D.
Pyridoxine Dependent Seizures in All Its Forms
Sidney M. Gospe, Jr., M.D., Ph.D.
Update on Glucose Transporter Deficiency and Use of the Ketogenic Diet
Darryl C. De Vivo, M.D.
Putting an End to DEND: A New and Eminently Treatable Metabolic Epilepsy
Edward C. Cooper, M.D., Ph.D.

Credit Designation
The American Epilepsy Society designates this educational activity for a maximum of 2.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Plenary II: The Postictal and Interictal Periods: What Are We Missing?

Overview
Clinical epilepsy has traditionally focused on “the seizure” as the measure of morbidity. Yet even for patients with refractory epilepsy, seizures occupy a tiny fraction of the lives. This course will address the cognitive (e.g., memory, attention), behavioral (e.g., depression, psychosis), physical (e.g., headache) and electrophysiological features of the postictal and interictal states in children and adults. Lessons from animal models of epilepsy help to understand the pathophysiology of these changes. The clinical spectrum as well as the frequency and severity of symptoms outside the ictal period will be reviewed. Diagnostic, preventive, and therapeutic strategies will be discussed.

Learner Outcomes
- Use interictal and postictal EEG patterns to foresee potential epilepsy-associated cognitive and behavioral difficulties
- Recognize epilepsy-related impairments including behavioral, cognitive, and physical changes in order to tailor appropriate patient care plans based on an understanding of their pathophysiology
- When developing treatment options, be able to include interventions based upon awareness of the relationship between ictal events as well as interictal and postictal behaviors
- Improve health-related quality of life by educating patients and families about the causes of epilepsy-related symptoms and about strategies to ameliorate problems that occur interictally and postictally.

Target Audience
Neurologists, nurses, neurophysiologists, behavioral scientists and neuroscientists

Program
Co-Chairs: Orrin Devinsky, M.D. and Bruce P. Hermann, Ph.D.

Opening Remarks
Orrin Devinsky, M.D.

The Role of Interictal Activity on Cognitive and Behavioral Function
Robert S. Fisher, M.D., Ph.D.

What Can Animals Teach Us About Postictal and Interictal Behavior?
Gregory L. Holmes, M.D.

Does Postictal Behavior Predict Interictal Behavior?
Orrin Devinsky, M.D.

Postictal Symptoms: Diagnosis and Treatment
Siddhu Nadkarni, M.D.

Credit Designation
The American Epilepsy Society designates this educational activity for a maximum of 1.5 AMA PRA Category 1 Credits ™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

ILAE Symposium: Redefining Treatment Resistant Epilepsy

Overview
Although the concept of refractory epilepsy may appear to be self-explanatory and intuitive at first glance, a precise definition has remained elusive. This has resulted in diverse criteria being used by different clinicians and researchers, making it difficult to compare results across studies and to make recommendation for clinical practice. It is hoped that a consensus definition proposed by the ILAE will have global impact in improving patient care and facilitating clinical research. This session will discuss the difficulty in deriving the definition, will explain the new ILAE definition, and will outline future plans to use the definition.

Learner Outcomes
- Recognize the difficulties associated with arriving at a consensus definition of refractory epilepsy
- Evaluate the applicability of the ILAE definition in clinical practice
- Apply the ILAE definition to a variety of patients including special populations
- Assess the applicability of various definitions of intractability in published literature pertaining to epilepsy treatment.

Target Audience
Neurologists epileptologists, advanced practice nurses and neuropsychologists

Program
Co-Chairs: Jacqueline A. French, M.D. and Samuel Wiebe, M.D.

Opening Remarks
Samuel Wiebe, M.D.

Complexities in Defining Treatment Resistance
Patrick Kwan, M.D., Ph.D.

ILAE Definition of Refractory Epilepsy
Anne T. Berg, Ph.D.

Consideration of Special Populations
Alexis A. Arzimanoglou, M.D.

The Future: Where Do We Go From Here?
Jacqueline A. French, M.D.

Wrap-up

Credit Designation
The American Epilepsy Society designates this educational activity for a maximum of 1.5 AMA PRA Category 1 Credits ™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
Special Interest Group Meetings

12:45 p.m. – 2:15 p.m.
Controversies in Epilepsy
Coordinator: Hans O. Luders, M.D.
Speakers: Philippe Kahane, M.D., Mohamad Koubeissi, M.D., Felix Rosenow, M.D.

Videoex of epileptic seizures will be presented by the moderator (Hans O. Luders). The moderator will then ask the audience and the assigned discussants (Drs. Kahane, Koubeissi and Rosenow) to analyze the ictal symptomatology of the seizures and to try to deduce the seizure onset zone and the symptomatic zone. After the discussion of each case, the moderator will show 2-3 slides (interictal EEG, ictal EEG, MRI, etc) documenting the correct answers and quoting pertinent literature. Attempts will be made to show typical cases that illustrate the value of ictal semiology.

Genetics
Coordinators: Andrew Escayg, Ph.D., Jennifer A. Kearney, Ph.D.
Speakers: TBD

This year’s Genetics SIG topic is Mutation Identification State of the Art. We will discuss current and emerging technologies for mutation identification in epilepsy patient populations. The topics will include detection of sequence variants, copy number variants, and cytogenetic abnormalities. In addition we will discuss issues related to sample collection efforts.

Ketogenic Diet
Coordinator: Eric Kossoff, M.D.
Speakers: Elizabeth J. Donner, M.D., Douglas Nordli, Jr., M.D. (first debate), Carl E. Stafstrom, M.D., Ph.D., Kirk Nylen, M.D., Ph.D. (second debate)

This year we will have two debates, following the success of the 2007 AES ketogenic diet SIG debates. The first debate will be regarding whether the ketogenic diet can be successfully (and practically) implemented as a first-line therapy. The second debate will discuss whether the ketogenic diet is effective mechanistically due to carbohydrate restriction or providing extra fats.

Pediatric Epilepsy Case-Based Discussion
Coordinator: Elaine Wyllie, M.D.
Speakers: TBD

Six dynamic faculty will each present an exciting case from his or her clinical experience that teaches an important clinical point and advances our field of pediatric epilepsy. Topics include EEG, seizure semiology, genetics, neuroimaging, antiepileptic drug therapy, epilepsy surgery, and psychosocial co-morbidity. We encourage audience interaction!

Practice Management Course
Moderator: Gregory L. Barkley, M.D.
Speakers: To come

Description to come.

SUDEP
Coordinators: Jeffrey R. Buchhalter, M.D., Ph.D., Elson L. So, M.D.
Speakers: Jeffrey R. Buchhalter, M.D., Ph.D., Samuel Wiebe, M.D., Joan Austin, DNS, RN

As a result of the 2007 AES-EF SUDEP Task Force and the 2008 NINDS SUDEP Workshop, a SUDEP Coalition has been formed to advance research and education in SUDEP. The ongoing work of the Coalition will be presented, and input and participation will be sought from the SIG audience.

1:45 p.m. – 3:15 p.m.
Plenary III: ICU Monitoring
Overview
Continuous EEG (CEEG) is underutilized in encephalopathic, critically ill patients; thus, these patients either remain undiagnosed with non-convulsive seizures, or are diagnosed later when the seizures are more difficult to treat. Neurologists should be able to recognize the ictal and periodic patterns commonly seen in critically ill patients, and the large overlap in these patterns based on EEG alone. Some patterns are falsely considered definite seizures and others as definitively metabolic. We will review available evidence regarding these EEG patterns and their significance (are they harmful?), including data from well controlled animal studies and from invasive multimodality monitoring in humans. New official recommendations on when and how to perform CEEG will be presented. Discussions about the differences between current practice and expert consensus will be reviewed, with attention to areas of controversy.

Learner Outcomes
- Compare the EEG patterns seen in animal models of acute brain injury with those seen in critically ill patients, including periodic discharges, nonconvulsive seizures and spreading depression, and evaluate evidence on whether these EEG patterns are associated with neuronal injury
- Identify EEG patterns commonly encountered in ICU patients (ictal and periodic patterns) to enable rational treatment decisions for nonconvulsive status epilepticus
- Via review of recently developed “guidelines”, learn the technical requirements and practical issues for performing CEEG monitoring in the ICU to optimize its utility and minimize misuse
- Appreciate the current limitations and future potential of CEEG, including ischemia detection, intracranial EEG and real-time neurotelemetry

Target Audience
Neurologists, neuro-intensivists, electroencephalographers, neurosurgeons and neurodiagnostic technologists

Program
Co-Chairs: Susan T. Herman, M.D., Lawrence J. Hirsch, M.D.
Secondary Brain Injury from Nonconvulsive Seizures, Periodic Discharges and Other Depolarizations: Evidence from Animals and Humans
Jed Hartings, Ph.D.
Periodic Discharges and Other Controversial EEG Patterns
Nathan Fountain, M.D.
The New ICU EEG Monitoring Consensus Statement: Rationale and Implementation
Susan T. Herman, M.D.
CEEG: The Cutting Edge and Beyond
Lawrence J. Hirsch, M.D.

Credit Designation
The American Epilepsy Society designates this educational activity for a maximum of 1.5 AMA PRA Category 1 Credits ™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
2:30 p.m. – 4:00 p.m.
Special Interest Group Meetings

**Neuroimaging**
Coordinator: Fernando Cendes, M.D., Ph.D.
Speakers: TBD

Description to come

**Psychiatry in Epilepsy**
Coordinator: Andres M. Kanner, M.D.
Speakers: TBD

The FDA has instructed all manufacturers of AEDs to include a warning in their package inserts indicating a potential increased risk of suicidal ideation and behavior associated with the use of any of these drugs. This SIG will be devoted to discuss the legal implications of such alert for the practice of any physician that prescribes AEDs.

**Women’s Issues in Epilepsy**
Coordinators: Katherine Noe, M.D., Ph.D., Romila Mushtaq, M.D.
Speakers: Raj D. Sheth, M.D., Katherine Nickels, M.D.

The 2009 SIG will focus on issues specific to the adolescent female with epilepsy. The biologic and psychosocial impact of seizures and antiepileptic therapy in this age group will be discussed, with a focus on menstrual cycle disorders, contraception, and bone development.
**AMERICAN EPILEPSY SOCIETY**

**2009 ANNUAL MEETING**

**DECEMBER 4 - 8, 2009**

**BOSTON, MASSACHUSETTS**

**HOTEL RESERVATION FORM**

PHONE: 800.974.9769
847.996.5892
FAX: 847.996.5401

WEB: [www.AESNET.org](http://www.AESNET.org)
E-MAIL INQUIRIES:
AES@experient-inc.com
MAIL: Experient Housing
568 Atrium Drive
Vernon Hills, IL 60061-1731

**Please Number in Order of Preference**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SHERATON BOSTON</td>
<td>MARRIOTT BOSTON</td>
<td>HILTON BOSTON</td>
</tr>
<tr>
<td>39 Dalton Street</td>
<td>110 Huntington Avenue</td>
<td>40 Dalton Street</td>
</tr>
<tr>
<td>Boston, MA 02199</td>
<td>Boston, MA 02116</td>
<td>Boston, MA 02115</td>
</tr>
<tr>
<td>$199.00 Single</td>
<td>$199.00 Single</td>
<td>$173.00 Single</td>
</tr>
<tr>
<td>$219.00 Double</td>
<td>$219.00 Double</td>
<td>$173.00 Double</td>
</tr>
</tbody>
</table>

*Headquarters Hotel*

**Room Tax** of 12.45 % is not included in above rates and is subject to change.

**Individual Reservation Deadline** is Friday, November 6, 2009. Reservations are honored on a first-come, first-served basis.

**Group Reservation Deadline** is Friday, October 2, 2009 for providing individual names. Any unassigned rooms will be cancelled

**Hospitality Suites** are subject to availability. Please call 800.974.3084 for layouts and rates. Hospitality activities must not conflict with official AES meeting activities.

**Reservation Acknowledgments** will be sent to the contact person via e-mail or fax. Do not call the hotels directly.

**Reservation Changes** should be made through Experient Housing via the Web or at 800.974.3084.

**Deposit of one night’s room and tax will be applied at the deadline.** This deposit is non-refundable after November 19, 2009.

A portion of the room rate at each hotel will be used to offset meeting expenses.

<table>
<thead>
<tr>
<th>CONTACT NAME:</th>
<th>COMPANY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREET ADDRESS:</td>
<td></td>
</tr>
<tr>
<td>CITY:</td>
<td>STATE &amp; ZIP CODE:</td>
</tr>
<tr>
<td>COUNTRY:</td>
<td>E-MAIL ADDRESS:</td>
</tr>
<tr>
<td>PHONE:</td>
<td>FAX:</td>
</tr>
</tbody>
</table>

*Room Types include SINGLE (1 person/1 bed), DOUBLE (2 people/1 king), DOUBLE/DUOUBLE (2 people/2 beds)*

<table>
<thead>
<tr>
<th>GUESTS NAME</th>
<th>SHARE WITH</th>
<th>SPECIAL REQUESTS (Smoking/Non-smoking, ADA Accessible)</th>
<th>ROOM TYPE</th>
<th>ARRIVE</th>
<th>DEPART</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

First Night Room and Tax required for guarantee by either credit card or check payable to hotel in U.S. Funds.

- [ ] MasterCard
- [ ] Visa
- [ ] American Express
- [ ] Discover
- [ ] Diners Club

<table>
<thead>
<tr>
<th>CREDIT CARD TYPE:</th>
<th>CARD #:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXPIRATION DATE:</td>
<td>CARD HOLDER (Print Name):</td>
</tr>
<tr>
<td>SIGNATURE:</td>
<td>CHECK ENCLOSED FOR $ (Payment in U.S. Funds Only):</td>
</tr>
</tbody>
</table>

Thank you for your reservation!
KEY:
A) Hynes Convention Center
B) Sheraton Boston Hotel
C) Boston Marriott Hotel Copley Plaza
Registration Instructions

**Online Registration:** Enjoy the convenience and efficiency of registering on the secure AES Web site.

**Mailed Registration:** Print a copy of the registration form and mail to the AES office. Completed forms and payment must be received by Friday, November 6, 2009 to be considered pre-registered. Please make a copy of your completed form (for your records) prior to mailing.

**Faxed Registration:** 860.586.7550; use M/C, Visa or Amex only. AES is not responsible for taxes not received due to mechanical failure or circumstances beyond our control.

**Registration Deadlines**
Register early to avoid increased fees! The deadline to receive a discount is Friday, October 16, 2009. Full payment, registration, change or replacement must be received in the AES office by Friday, November 6, 2009 to be considered pre-registered. After this date, registrations will be processed with additional fees.

The Registration Desk on-site. On-site registration opens Friday, December 4 at the Hynes Convention Center in Hall A on the Plaza Level.

**Personal Information**
Complete your personal information at the beginning of the registration form.

**Special Needs**
AES fully complies with the legal requirements of the Americans with Disabilities Act (ADA) and the rules and regulations thereof. Please check the box provided and describe the needs that require special accommodation (hearing, mobility, etc.) to attend the Annual Meeting.

Note: Special needs and meals, where applicable, must be advised on your registration no later than Thursday, November 5, 2009. There is a $25 surcharge per meal.

**Passport and Entry Visa**
Participants are strongly advised to make sure they fulfill all legal requirements to enter the United States. Besides a valid passport, an entry visa may also be required. We recommend applying at least four months in advance. Official Letters of Invitation for entry visas will be supplied upon request. Please check the appropriate box on the registration form. You must allow sufficient time for this procedure. These letters do not commit AES to any kind of financial support, hosting arrangement, nor does it guarantee an entry visa will be issued. Please refer to the Web site for details (see Travel Information).

**A. Meeting Fees**
Registration fees are mandatory for attendance at any Annual Meeting function. There are three options for registration: Five-Day (Full) Registration, One-Day, or Two-Day. Choose only one of these options. Additional fees apply for on-site registrations.

The Five-Day registration fee includes the full program of events in Sections F-J. Also included in the full program are the Poster Sessions, Commercial and Scientific Exhibits.

The One-Day or Two-Day fee options include all events on the day(s) you pay to attend. See sections F-J for program selections.

**Pre-Registration Policy**
Determine your fee in Section A of the registration form based on your membership status and the registration category. (Mail-in Forms: Include the total on the line provided in the column at the bottom of the section.)

**Registration Categories (Five-Day Full)**
The following categories are available when registering for the 2009 AES Annual Meeting:

**Members**
All current members must be in good standing, with dues paid through June 30, 2010 at the time of registration to receive the member rate.

Member rates apply to all those registrants not currently a member, but who apply for membership with registration. A completed application with payment must be received 2-3 business days prior to registration.

**Non-Members**
You may join AES to qualify for the member rates. A new membership application must be signed by an AES Active member or the director of your training program if you are a resident, student or fellow. The completed application, registration form and full payment must be received in the AES office by Friday, November 6, 2009, to qualify for the pre-registration rates.

**Active, Corresponding, Associate or Senior Member**
An AES member who currently belongs to one of these member groups.

**Junior Member**
An AES member who is a Resident, Student, or Fellow, currently in a formal training program.

**Resident, Student, Fellow**
A Resident, Student, or Fellow, currently in a formal training program, not currently an AES member; must provide proof of this status at time of registration by submitting a signed statement from program director.

**Non-Member**
An individual with an M.D. or a D.O., who is not currently an AES member.

**EF Affiliate and Non-Medical Leadership**
An individual who is employed by the Epilepsy Foundation or other non-profit agency; includes members and non-members of AES.

**Professionals in Epilepsy Care (Member)**
A member who is a professional in the field of epilepsy who is neither an M.D. or D.O.

**Professionals in Epilepsy Care (Non-Member)**
A professional working in the field of epilepsy who is neither an M.D. or D.O., and not currently an AES member.

**Developing Countries**
This registration category is available to members or non-members who currently reside and work in a Low Income Developing Country, as defined by the World Bank list of economies. These rates are only available when you register online for the full five-day program. Fees will be calculated automatically based on the applicable country.

**B. Day Selection – For One- or Two-Day Registration Only**
Register for only one or two days of programming at discounted rates by selecting that option in Section A and your day(s) selection in Section B. Next, choose the session(s) you plan to attend for the applicable day(s) in Sections F-J of the registration form.

**C. Reception in Support of Lennox and Lombroso Trust for Research & Training**
Sunday, December 6, 2009 • 5:00 p.m. – 6:30 p.m.
Share the dream to cure epilepsy! Come mingle with your colleagues and show your support at the Annual Reception. A voluntary, tax-deductible contribution of $50, or whatever you can contribute, will benefit the Trust. To assist in planning, advanced registration is required. Check the applicable box in Section C on the registration form.

**D. Member Demographics – For AES Members Only**
Members are to complete the membership information (Section D).

**E. Professional Demographics**
All registrants are to complete the demographic information (Section E).

**F. Program Selections**
Check desired selections in the area provided on the registration form, (Sections F-J). Descriptions for the sessions are listed in this document.
Additional Registration Information

Photo ID Required and Badge
Prior to receiving a badge and registration materials, the meeting attendee must produce government-issued photo identification. All registration fees must be paid in full. The official AES badge must be worn at all times while on-site at the meeting locations. Badges are non-transferable.

1-Day Guest Pass (Exhibit Hall/Poster Session)
Guests of any registrant wishing to view exhibits or posters are required to purchase a single day guest pass on-site at the Registration Desk for $75 each. Poster presenters cannot use a guest pass. They must register for the meeting (Section A). Everyone entering the Exhibit Hall or Poster Sessions is required to have an official meeting badge!

Name Replacements
A $50 fee will apply to any name replacement for the AES Annual Meeting registrations.

Registration Acknowledgments
Registrations received on or before Friday, November 6, 2009 will be acknowledged electronically.

Registration Cancellations
AES must strictly adhere to the following policy due to catering guarantees and other financial commitments for the Annual Meeting.

Via U.S. Mail: AES must receive your refund request in writing with a postmarked date no later than Thursday, November 19, 2009. No refunds will be given for requests postmarked after this date.

Via E-mail: All requests for refund transmitted via e-mail must be received by Thursday, November 19, 2009 at 11:59 p.m. (ET). Since AES is not responsible if your electronic message is not received by this date, a follow-up phone call to the number below is strongly suggested.

Requests made prior to Thursday, November 19, 2009 will receive a full refund minus a $50 administrative fee.

There will be no refunds for cancellations after Thursday, November 19, 2009 or for no-shows.

All refunds will be processed approximately four to six weeks after the annual meeting per the refund policy.

American Epilepsy Society (AES)
2009 – Refunds
342 North Main Street
West Hartford, CT 06117-2507

Phone: 860.586.7505, ext. 512
E-mail: conferenceregistration@aesnet.org

Group Registrations
The deadline for groups to register with AES is Friday, October 2, 2009.
**2009 Annual Meeting**  
**REGISTRATION FORM**  
(Please Print or Type Clearly)

First Name ______________________ Last Name ___________________________ Degree/Designation ___________________________

Institution/Company ____________________________________________________________

Address: ____________________________________________________________

City __________________________ State/Province __________ Country __________ Zip Code __________

Business Phone: (_____) __________________ Home Phone: (_____) __________________

E-mail: __________________________________________________________

**Check the appropriate statements below, if applicable:**

- ☐ I require special ADA accommodation; Please describe: ____________________________________________
- ☐ AES fully complies with the legal requirements of the Americans with Disabilities Act (ADA) and the rules and regulations thereof.
- ☐ I require an official Letter of Invitation in order to obtain an entry visa to the United States and have provided my e-mail address above.

Reduced registration fee deadline is Friday, October 16. Pre-registration deadline is Friday, November 6. Registrations received after Friday, November 6, 2009 will be processed on-site at the on-site registration rate.

**A. Meeting Fees**

Register below and select the individual sessions you wish to attend on the next page. All sessions on the next page are included in this Meeting Registration fee.

<table>
<thead>
<tr>
<th>Section</th>
<th>Total</th>
<th>10/16</th>
<th>11/6</th>
<th>On-Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. One-Day</td>
<td>Total</td>
<td>210</td>
<td>320</td>
<td>430</td>
</tr>
<tr>
<td>2. Two-Day</td>
<td>Total</td>
<td>310</td>
<td>420</td>
<td>530</td>
</tr>
</tbody>
</table>

*Residents, students, and fellows must provide proof of status.

**B. Day Selection for One- or Two-Day Registration Only**

1. ☐ Friday, December 4  
2. ☐ Saturday, December 5  
3. ☐ Sunday, December 6  
4. ☐ Monday, December 7  
5. ☐ Tuesday, December 8

**C. Reception in Support of Lennox and Lombroso Trust for Research & Training**

Sunday, December 6, 2009, 5:00 p.m. - 6:30 p.m.

- ☐ I wish to attend and contribute $50.
- ☐ I wish to attend and contribute $________ (specify dollar amount).
- ☐ I wish to attend but cannot contribute at this time.

**SECTION TOTAL $___________

**D. Member Demographics** – For AES Members Only

1. ☐ Active/Corresponding Member  
2. ☐ Professional in Epilepsy Care Member  
3. ☐ Corporate/Associate Member  
4. ☐ Junior Member  
5. ☐ Senior Member  
6. ☐ New Member  
7. ☐ First-time Attendee? ☐ Yes ☐ No  
8. ☐ Member since _______ (year)

**SECTION TOTAL $___________

**E. Professional Demographics (Check one only)**

How would you best characterize your predominant professional activity?

1. ☐ Adult Neurology/Epileptology  
2. ☐ Neuropsychiatry  
3. ☐ EEG/Clinical Neurophysiology  
4. ☐ Industry/Marketing  
5. ☐ Neuroimaging  
6. ☐ Neurosurgery  
7. ☐ Non-Profit/Gov’t  
8. ☐ Nursing

**SECTION TOTAL $___________

**Form of Payment (U.S. Funds Only)**

(Charges will be processed upon receipt of registration.)

☐ Check payable to AES, drawn in U.S. dollars on U.S. bank $__________________

☐ MasterCard ☐ Visa ☐ American Express

**(U.S. Funds Only) Total Registration Fees: $___________

Name on Card ___________________________________________ Exp. Date _______ (Please Print)

Signature ____________________________________________________ (as shown on card)

I authorize AES to charge my credit card for the amount of registration fees as determined by AES.
You must complete Section A, Meeting Fees, to attend any session on this page. Check the programs below for which you plan to attend; only one per session.

**F. Friday, December 4, 2009**
1. Noon - 2:30 p.m. – Annual Fundamentals of Epilepsy
   - Neurophysiology 101
2. 1:30 p.m. - 3:00 p.m. – Special Interest Group Meetings
   a. ☐ Epilepsy
   b. ☐ Neuropharmacology
   c. ☐ Nursing Research
   d. ☐ Quality and Value Indicators
3. 3:30 p.m. - 5:00 p.m. – Special Interest Group Meetings
   a. ☐ Clinical Nursing
   b. ☐ Military Epileptology
   c. ☐ Neurostimulation
   d. ☐ Patient Reported Outcomes
4. 5:30 p.m. - 8:00 p.m. – Special Interest Group Meetings
   a. ☐ Hot Topics Symposium – Biomarkers in Epilepsy
   b. ☐ Spanish Symposium – Pitfalls in Diagnosis and Treatment

**G. Saturday, December 5, 2009**
1. 9:00 a.m. - 11:00 a.m. – Hoyer Lecture
   - 7th Judith Hoyer Lecture in Epilepsy
2. 11:00 a.m. - 2:00 p.m. – Professionals in Epilepsy Care Symposium (PEC)
   - Predictors and Methodologies of Self Management
3. 11:15 a.m. - 12:45 p.m. – Special Interest Groups
   a. ☐ Basic Mechanisms
   b. ☐ EEG
   c. ☐ How to Obtain NIH Funding
   d. ☐ Sleep and Epilepsy
   e. ☐ Surgery
4. 2:00 p.m. - 5:00 p.m. – Merritt-Putnam Symposium
   - Beyond Seizures
5. 2:30 p.m. - 4:00 p.m. – Special Interest Groups
   a. ☐ Engineering and Epilepsy
   b. ☐ MEG/MSI
   c. ☐ Translational Research
6. 5:30 p.m. - 7:30 p.m. – Antiepileptic Therapy Symposium (AET)
   - Treatment Strategies
7. 6:00 p.m. - 7:30 p.m. – Investigators’ Workshop
   a. ☐ The Impact of Neuroinflammation
   b. ☐ Mapping Cortical Function
8. 6:00 p.m. - 7:30 p.m. – Special Interest Groups
   a. ☐ Basic Neuroscience
   b. ☐ Clinical Roundtable
   c. ☐ Neuropsychology
   d. ☐ Non epileptic Seizures
   e. ☐ Pregnancy Registry Outcomes
   f. ☐ Tuberculous Sclerosis Complex

**H. Sunday, December 6, 2009**
1. 8:00 a.m. - 4:30 p.m. – Annual Course
   - Selecting Patients for Epilepsy Surgery
2. 8:00 a.m. - 5:30 p.m. – Investigators’ Workshop
   a. ☐ Main Session
   b. ☐ Poster Session
3. 7:00 p.m. - 9:00 p.m. – Epilepsy Monitoring Unit Symposium (EMU)
   - Expert Consensus on Patient Safety
4. 7:30 p.m. - 9:00 p.m. – Special Interest Groups
   a. ☐ Botanicals and Alternative Treatments
   b. ☐ Children’s Hour
   c. ☐ Junior Investigator Workshop
   d. ☐ Neuroendocrinology
   e. ☐ Neuropathology of Epilepsy
   f. ☐ Temporal Lobe Club

**I. Monday, December 7, 2009**
1. 9:00 a.m. - 11:30 a.m. – Presidential Symposium
   - Solving the Treatment Gap
2. 2:15 p.m. - 3:00 p.m. – Lennox Lecture
   - Lecturer: Michael A. Rogawski, M.D., Ph.D.
3. 3:15 p.m. - 4:45 p.m. – Investigators’ Workshop
   - Rodent Models of Febrile Seizures
4. 4:00 p.m. - 6:00 p.m.
   - Platforms – 3 Concurrent Sessions
5. 4:30 p.m. - 6:00 p.m.
   - Pediatric Epilepsy Highlights
6. 6:30 p.m. - 8:30 p.m. – Pediatric State of the Art Symposium
   - Treatable Metabolic Epilepsies

**J. Tuesday, December 8, 2009**
1. 9:00 a.m. - 10:30 a.m. – Plenary II
   - Postictal and Interictal Periods
2. 11:00 a.m. - 12:30 p.m. – International League Against Epilepsy (ILAE)
   - Redefining Treatment Resistant Epilepsy
3. 12:45 p.m. - 2:15 p.m. – Special Interest Group Meetings
   a. ☐ Controversies in Epilepsy
   b. ☐ Genetics
   c. ☐ Ketogenic Diet
   d. ☐ Pediatric Epilepsy
   e. ☐ Practice Management
   f. ☐ SUDEP
4. 1:15 p.m. - 3:15 p.m. – Keynote Speakers
   - Selecting Patients for Epilepsy Surgery
5. 1:45 p.m. - 3:15 p.m.
   - Plenary III
   - ICU Monitoring
6. 2:30 p.m. - 4:00 p.m. – Special Interest Group Meetings
   a. ☐ Neuroimaging
   b. ☐ Psychiatry in Epilepsy
   c. ☐ Women’s Issues in Epilepsy

---

**Registration Instructions**

Three Easy Ways to Register:

![Register on our secure Web site](www.AESnet.org)

Fax your completed form to: 860.586.7550
Use M/C, Visa or AMEX only

Mail your completed form and payment to:
AES – 2009 Annual Meeting
342 North Main Street
West Hartford, CT 06117-2507

---

26