General Session At-A-Glance
Wednesday, July 27, 2011

1:30 – 1:45 p.m.
Welcome and Introductions

1:45 – 2:45 p.m.
Lewis Kull Memorial Keynote Address
“DARPA and Military Projects Using Advanced EEG Applications”

2:50 – 3:10 p.m.
ASET Historical Advisory Committee and the Smithsonian Institute
Lucy Sullivan, R. EEG T., CLTM - The ASET Historical Advisory Committee has been working on collecting vintage recording equipment and valuable memorabilia from the early years of Neurodiagnostic Technology to present day inventions and innovations. Lucy represented this committee and met with curators of the Smithsonian Institute, to discuss the possibility of housing our valuable collection of historic items there. She will explain the Smithsonian’s procedure for cataloging our collection, and review items we are still seeking for inclusion.

3:30 – 3:50 p.m.
Localization of the Primary Motor Cortex by Using a Tangential Radial Cortical SSEP Model, DECS and Electrocorticography
Faisal Jahangiri, MD, CNIM, DABNM - This is a case study presentation of a tumor resection using a multimodality recording technique to identify the central sulcus during surgical resection of the lesion.

3:50 – 4:10 p.m.
Potential Neurological Risk During A Titanium Rib Procedure, and Appropriate IONM
Meagan Roper, CNIM - This device is fairly new, and is used in pediatric patients with scoliosis and thoracic insufficiency syndrome. There are anatomical structures at risk during placement and it is important to include intraoperative neuromonitoring for this surgery. This presentation will explain the procedure and which modalities are most effective for monitoring.

4:10 – 4:30 p.m.
ABRET Update 2011
Marjorie Tucker, R. EEG/EP T., CNIM, CLTM. R.NCS.T. - The President of ABRET will present an update of all the initiatives undertaken by this credentialing organization over the past year, and what is coming for the next year.

4:30 – 5:30 p.m.
Ellen Grass Lecture
“Our Changing World: The Public Health Impact of Neurologic Disease”
James Sejvar, MD

5:30 – 5:50 p.m.
ASNM Summit Update
Bernard Cohen, PhD, DABNM, FASNM - Dr. Cohen is the president of the American Society of Neurophysiological Monitoring. In December, ASNM hosted a summit to address major issues that practitioners at all levels of this profession are facing. Participants worked together to build consensus and make recommendations. This abstract will provide a review of the outcome of this significant event.
Thursday, July 28, 2011

7:30 – 8:10 a.m.
Continental Breakfast & Registration

8:10 – 8:15 a.m.
Announcements

8:15 – 8:35 a.m.
**Expediting Positional Recovery via Upper Extremity Somatosensory Evoked Potentials during Thoracolumbar, Lumbar and Lumbosacral Spine Surgeries**
Justin Silverstein, CNIM, R.NCS.T., CNCT, MS - Neurological deficits can occur during spine surgeries as a result of nerve compression related to patient positioning. Upper Extremity SSEPs can detect this compression, alerting the surgical team and allowing them to take appropriate steps to prevent nerve damage.

8:35 – 8:55 a.m.
**Bridging the Gap: Thinking Analog in a Digital World**
Gayle Moriner, R. EEG/EP T., CNIM, CLTM - The inherent difference of experience, for technologists who began recording analog EEGs, and those who began their careers recording digital EEGs has changed the way technologists apply their knowledge as they record the EEG. Digital EEG expanded capabilities in many ways, but we must bring specific “analog” skills with us to the digital era.

8:55 – 9:15 a.m.
**Potential Thermal Injury During Prolonged EEG Monitoring in the Neonate**
Susan Hollar, R. EEG T. - Neonates are at high risk for skin breakdown. Is it possible to induce a thermal injury by leaving metal electrodes in place for an extended period of time while the patient lies under warming lights?

9:15 – 9:45 a.m.
**Canine Assistants: Seizure Response Dog Presentation and Demonstration**
The premier organization which provides service dogs to aid people with disabilities has headquarters in Georgia. This presents the perfect opportunity for technologists to learn, first-hand, about the training and placement of the very special, seizure response dog. Many of us have encountered these service dogs in the EEG lab and have wondered how they do their remarkable work.

9:45 – 10:45 a.m.
Break in the Exhibit Hall with Poster Presentations

10:45 a.m. – 12:20 p.m.
**2011 ASET Annual Symposium: “First Contact: Exploring New Opportunities for the Neurodiagnostic Professional”**

12:20 – 2:10 p.m.
**ASET Business Meeting and Awards Luncheon**

2:15 – 2:35 p.m.
**Vestibular Evoked Myogenic Potentials**
Emily Murphy, R. EEG T. - This is one of the many, very specialized diagnostic procedures done at the Baylor Center for Vestibular Disorders. This abstract will provide an overview of this new technique for recording evoked potentials that may redefine the way we test for vestibular dysfunction.
Therapeutic Hypothermia Protocol and Neurotelemetry: A Case Study
Ryan Lau, R. EEG/EP T., CNIM, CLTM, BA - This is a case study presentation on the use of therapeutic hypothermia to treat an adult who suffered a cardiac arrest. This is a relatively new technique, using continuous EEG monitoring to look for subclinical seizures during this process.

Kathleen Mears Memorial Lecture
“Are We Ready for 2014?”
Elizabeth Mullikin, R. EEG/EP T., CNIM, MPA, MA, MNM, FACHE

Break in Exhibit Hall with Poster Presentations

Tuberous Sclerosis and Epilepsy
Liliana Petrova, MD, R. EEG/EP T., R.NCS.T. - Almost every technologist who has spent time in an EEG or LTM lab has met patients with tuberous sclerosis, as cerebral lesions often lead to a severe seizure disorder. It is important to understand which diagnostic studies are most valuable to localize the epileptogenic tissue, with the goal of planning surgical intervention.

How Deep Are Our Roots? Grassroots Committee Update
Scott Blodgett, R. EEG T., RPSGT - Scott will inspire technologists to become pro-active and make a community effort to gain recognition for our profession. He brings humor and enthusiasm to his committee work, and shares his gusto with us.