



# INTERFACE

## 2012 Board of Directors

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## President's Message

By George Blike, MD, STA 2012 President



In January 2012, I assumed the exciting leadership position of this much-respected association. As you know, no one does this work alone. Success is so often about teamwork these days as is true in all of medicine. Hence, I truly thank all those

members of STA who volunteered their time and expertise to accomplish the work of the society this year. During the year, we have collectively accomplished all that we set out to do—including developing panels for the IARS and ASA meetings, selecting a new A&A Journal Section Editor, and maintaining our focus on developing and promoting a great annual meeting.

If you have not done so already, please plan to attend our Annual Meeting in Arizona in January. Jesse Ehrenfeld, MD, our STA Annual Meeting Chair, along with a distinguished slate of moderators including, Thomas Hemmerling, MD, Matt Weinger, MD, Maxime Cannesson, MD, Mohamed Rehman, MD, John Doyle, MD, PhD and Kirk Shelley, MD, has put together an exceptional annual meeting in a wonderful setting.

We continue to develop our specialty society relationship with the Foundation for Anesthesia Education and Research (FAER). FAER will again sponsor a session related to entrepreneurship at the STA annual meeting in 2013. In addition, next year, FAER is going to expand its collaboration with STA by adding on a 1.5 day 'Boot Camp' for entrepreneurs after the STA Annual Meeting 2014. Prospective attendees for the Boot Camp will need to register/apply to attend in advance. Interest in this boot camp program is anticipated to be very strong.

STA has been most fortunate to have had outstanding section Editors for the A&A Journal. Our most recent Section Editor is stepping down, and, on behalf of STA, I would like to extend our heartfelt gratitude to Dwayne Westenskow, PhD for his dedicated and superb service to our organization. After an extensive search to replace Dr. Westenskow, including advertising the position to our membership and in the A&A Journal itself, the Board recommended Maxime Cannesson, MD to the A&A Journal as the next STA A&A Journal Section Editor. A&A has accepted this recommendation. The search process yielded several qualified candidates so the decision was difficult but we think this is the best choice for our needs at this time.

**President's Message** continued on page 2

## In This Issue!

### President's Message

1-2

### Report from the Executive Director

2

### 2013 Board of Directors Voting Information & Candidate Profiles

3-4

### Upcoming Events

4

### ASA Breakfast Panel Report

5

### 2012 Annual Ty Smith Dinner Recap

5

### 2013 STA Annual Meeting Brochure

6-10





## Report from the Executive Director

By Jane A. Svinicki, CAE

The American Society of Anesthesiologists (ASA) October Annual Meeting has come and gone, it is dark at 4:30pm here in the central time zone, and Christmas retailing is in full swing. Another year is coming to an end.

This is a traditional time for reflection, giving thanks and planning for the future. For STA, the past year has been very active, with a successful Annual Meeting held in Florida this past January. We have been in the selection process of a new A&A Section Editor for STA. On behalf of the entire organization, thank you to Dwayne Westenskow, PhD, for his excellent service for the past several years.

The success of STA is the direct result of the tireless efforts of the Board members and many other volunteers who have given of their time to promote STA and advance our agenda. If you haven't yet become involved with STA and its activities, pledge to do so in 2013. You can start off the year at the STA Annual Meeting in early January. The registration brochure is part of this newsletter.

The STA 2013 Annual Meeting will be held at the Royal Palms Resort and Spa, Phoenix, Arizona. The program is an exciting three days of leading research, trending topics and national and international leaders in anesthesia technology. Many thanks to Jesse Ehrenfeld, MD, and the Program Moderators for putting together this dynamic program. From data visualization to nanotechnology, the STA Annual Meeting is a major component to advancing the mission of STA to support the development of technology that improves the safe delivery of anesthesia.

### President's Message *continued from previous page*

Dr. Cannesson is an enthusiastic advocate and mentor for the authors and content of the STA Section of the A&A Journal. He has spent the past ten years devoted to clinical anesthesia practice and research with a major focus on the development and validation of non-invasive hemodynamic monitoring systems. He has practiced as an anesthesiologist on both sides of the Atlantic ocean (France and USA) and on both sides of the American continent (Pennsylvania and California). He has extensive experience as a reviewer for multiple anesthesiology, cardiology, and physiology journals and is an active member of several American and European professional societies related to anesthesia. As you recall, he was the Chair of the 2012 STA

Once again, there will be a Foundation for Anesthesia Education and Research (FAER) session at the STA Annual Meeting. The topic of "Regulate or Innovate" promises to be exciting. Look for future expansion of the STA relationship with FAER with a one and a half day entrepreneur 'boot camp' in 2014.

Welcome to Stephanie Moffett who joined the STA staff in mid-September. Stephanie will be the key contact for the STA Board and volunteers, working on the Annual Meeting, and board and committee support. Prior to joining our staff,

Stephanie gained experience working on CME by doing educational program development for an international medical society with over 3,500 members and an Annual Meeting attended by over 5,100 professionals. Stephanie has a Bachelor's degree in English Literature and is a member of the American Society of Association Executives (ASAE).

Once again, it has been our honor and privilege to serve the members of STA for another year. As your staff, we support the organization, provide

the infrastructure and assist the STA leadership in advancing the mission of our organization. We look forward to another successful year.

Happy Holidays!

Jane A. Svinicki, CAE  
Executive Director

Annual Meeting, one of our most successful meetings. Please join me in congratulating Maxime and welcoming him into this position!

Thank you for the opportunity to serve as your President and I look forward to seeing many of you in January at the STA Annual Meeting and, of course, through the years to come.

Happy Holidays!

George Blike, MD  
President



## 2013 Board of Directors Voting Information

The 2013 Candidate statements for the STA Board of Directors are provided to assist you with voting. Voting is conducted online, please visit the STA website at [www.stahq.org](http://www.stahq.org) or [CLICK HERE](#) to proceed to the voting website.

### Candidate Profiles

#### Position: President Elect *(vote for one of two)*

##### David L. Reich, MD

Dr. Reich is currently the Treasurer of STA. He has attended many STA meetings and lectured on multiple occasions, including coordinating and leading the A.I.M.S. Workshop for the last 2 years at the STA Annual Meeting. He was named Chair of Anesthesiology at the Mount Sinai Medical Center in New York, NY, USA in 2004, where he had previously been Co-Director of Cardiothoracic Anesthesia. Dr. Reich's research interests include neurocognitive outcome following thoracic aortic surgery, outcome effects of intraoperative hemodynamics, medical informatics, and hemodynamic monitoring. He has published greater than 110 peer-reviewed articles, 30 invited articles and editorials, and 30 book chapters. He is an associate editor of the text Cardiac Anesthesia and editor of Monitoring in Anesthesia and Perioperative Care. He is a member of the International Organization for Terminology in Anesthesia (IOTA) of the Anesthesia Patient Safety Foundation, and works with IHTDSO and HL7 to create international standards for anesthesia terminology for electronic patient records. Dr. Reich also serves on the editorial board of the Journal of Cardiothoracic and Vascular Anesthesia.

Dr. Reich's vision for STA encompasses a program of greater involvement with allied anesthesia subspecialty organizations in order to create greater interaction and collaboration, and to benefit from the economies of scale that will enable STA to succeed financially. Growing STA's endowment from sound fiscal management and greater outreach to industry and allied organizations would be a major goal of his presidency, if elected.

##### Joan Spiegel, MD

Has been an active member participant with the STA for many years. In 2010 and 2011 she was co-chair of the Anesthesia Essentials Course and has recently been named the STA Annual Meeting Abstract Co-Chair in 2013 and the Annual Meeting Co-Chair for the 2014 Annual Meeting.

Dr. Spiegel is currently an Instructor in Anesthesia, Beth Israel Deaconess Medical Center at Harvard Medical School.

#### Position: At Large Director *(vote for one of two)*

##### Jeff E. Mandel, MD

My undergraduate education was at Rice University; medical school at University of Texas Health Sciences Center at San Antonio. Following completion of residency in anesthesiology at Ohio State University, I spent two years at UCSD as a fellow for Ty Smith, working on closed loop control of blood pressure with nitroprusside and obtaining a Master's Degree in Systems Science Engineering. I was recruited by Alan Grogono to Tulane University for eight years, and by Jim Philip to Brigham and Women's Hospital for seven years. I have been at the Hospital of the University of Pennsylvania for the last ten years. My research is focused on two areas – pharmacokinetic control, and assessment of the impact of anesthetic agents on physiologic processes through nonlinear signal analysis.

My involvement with the Society dates back to my time with Ty, and I have attended almost every meeting in the last 15 years. I was also active in the organization "Computers in

Anesthesia", and the technology competition was born from my efforts to maintain a part of CIA within STA. To this end, I have been working to establish funding to ensure the continued success of this part of the meeting. While I consider myself an academic anesthesiologist and engineer, I have been involved in collaboration with industry for most of my career, and will work to support industry involvement in STA. My vision for STA is simple – conserve what we do well, and work actively to involve new members through programs like the technology competition. I hope to encourage innovative tracks at the annual meeting to introduce new technology and new computational techniques to the membership. I appreciate your support, and look forward to serving the organization.

##### Vitaly Herasevich, MD

I'm Assistant Professor of Medicine and Anesthesiology in Department of Anesthesiology at Mayo Clinic. I have received

**Candidate Profiles** continued on next page

**Candidate Profiles** continued from previous page

medical degree from Belarus, where I also obtained my PhD in Cardiology. In 2007-2010 I was an NIH CTSA KL2 scholar. In 2011 I finished MSc in clinical research at Mayo Clinic. At the same time I had significant background in the area of medical informatics. My informatics experience extends back more than 15 years, beginning with association to the university's IT Department. I shared my expertise by publishing two editions of the books "Computer for Physician" back to 2002 and 2004. Having witnessed the tremendous progress of information technology and the introduction of electronic medical records, I realized the promise and obstacles in applying these novel technologies in the hospital environment. The complex human-computer interactions and, in particular, information overload, present major challenges toward enhancing patient safety and practicing rational, error-free, and efficient practice of medicine. Previous training in medicine, clinical informatics and clinical research allow me to work on the broad spectrum of clinical informatics projects in a critical care setting with a goal of enhancing patient safety and effective practice. I have been working for the development of clinical syndromic surveillance alerting systems ("data sniffers") for early detection of specific organ failure syndromes (i.e., shock, sepsis, acute lung injury, acute renal failure).

My other research interests are:

- clinical data representation (novel patient-centered EMR)
- dealing with information overload
- design, development, implementation of clinical data warehouses in support of clinical decision-making, reporting and population health research
- outcome research

**International Member At Large**

*(vote for one of one)*

**Thomas Hemmerling, MD**

Dr. Hemmerling has been an active member and participant in many past STA Annual Meetings. In 2009, Dr. Hemmerling received an award for best abstract at the STA Annual Meeting held in San Antonio, TX. Most recently, Dr. Hemmerling was named as chair of the STA Research and Awards Committee.

Currently, Dr. Hemmerling is an Associate Professor at McGill University in the Department of Anesthesiology.

**Industry At Member Large**

*(vote for one of one)*

**Michael Jaffe, PhD**

Michael B. Jaffe, PhD, has been involved with STA since the late 1990's and has been employed since 1981 in the anesthesia and respiratory gas measurement field, as either a consultant or employee for such companies as Beckman Instruments, Sensor-medics, Novamatrix, Respiromics and Philips. He has served as a coeditor with both Drs. Nik Gravenstein and Paulus of the leading text on capnography published in 2004 (2nd edition 2010). He is currently the secretary of IEC/ISO Joint Working Group for respiratory gas monitoring standard (ISO 80601-2-55), F29/USTAG technical contact for ISO/TC121/SC1 (anesthesia machines), a member of the Anesthesia Patient Safety Foundation Committee on Technology and an editorial board member of the Journal of Clinical Monitoring. He has been an active contributor to STA for the last several years

He is currently working in technology development and intellectual property management at Philips-Respiromics in Wallingford, Connecticut and will be pursuing other opportunities in the near future.

**Upcoming Events**

**STA 2013 Annual Meeting**  
January 9-11, 2013  
Royal Palm Resort & Spa  
Scottsdale, Arizona

**IARS 2013 Annual Meeting**  
May 4-7, 2013  
(date and time to be determined)

**IARS PBLD**  
May 4-7, 2013  
(date and time to be determined)

**American Society of Anesthesiologist Annual Meeting Events**

**STA Ty Smith Dinner**  
Sunday, October 13, 2013  
San Francisco, California

**STA Breakfast Panel**  
October 12-16, 2013  
(date to be determined)  
7:00am-8:15am  
San Francisco, California

**STA 2014 Annual Meeting**  
January 15-18, 2014  
Orlando, Florida



## ASA Breakfast Panel – October 2012

*Anesthesia in Unusual Environments: Using Technology to Improve Patient Safety was the (STA) Breakfast Panel held at the ASA Annual Meeting*

**T**hanks to Dr. Keith Ruskin for organizing the breakfast panel held 7:00am on Tuesday, October 16, 2012, at the convention center. Warning to future attendees - ASA has eliminated 'breakfast' from its breakfast panels.

Anesthesiologists are frequently asked to care for patients in locations that are distant from the operating room. Working in this environment requires flexibility, adaptability, and an understanding of the available resources and how the procedure and new location impact the anesthetic management of the patient. Panel members discussed how they routinely take care of patients in some highly unusual environments and how technology helps them to maintain a high level of safety.

**Thank you to all the panelists for an excellent session.**



*Kirk Shelly, MD, PhD*



*STA Panel at ASA 2012.*

### **Lead Speaker-Anesthesia for Intraoperative MRI**

*Keith Ruskin, M.D.*

Yale University School of Medicine, New Haven, CT, USA.

### **Speaker-Anesthesia During an Earthquake**

*Christine A. Doyle, M.D.*

Coast Anesthesia Medical Group, Campbell, CA, USA.

### **Speaker-Anesthesia on a Ship**

*Tara M. Sheridan, M.D.*

Naval Medical Center San Diego, San Diego, CA, USA.

### **Speaker-Critical Care Air Transport Team**

*Brooke E. Albright, M.D.*

Yale New Haven Hospital, New Haven, CT, USA.

## 2012 Annual Ty Smith Dinner: Terrorism and Counter-Terrorism

**A**lmost 60 attendees for the Sunday, October 14, 2012, annual Ty Smith Dinner learned perhaps more than they wanted to know about the personal exposure all of us have on the internet.

The speaker was Terry Gudaitis, currently the Cyber Intelligence Director at Cyveillance. Cyveillance identifies and reports critical information, on the Internet that represents a threat, risk, or vulnerability to an organizations' assets, employees, market share, stock price, or reputation. Prior to expanding profiling techniques for use in response services, Dr. Gudaitis was an operations officer and behavioral profiler at the Central Intelligence Agency where she was responsible for terrorist profiles, assessments of informants, and managing targeting teams.

Terry was also a member of the Fugitive Task Force, which worked in concert with the FBI on terrorist investigations and fugitive tracking and capture operations for the FBI's 10 Most Wanted Terrorists. Throughout her career, Dr. Gudaitis has

successfully combined the disciplines of business, behavioral science, and security to guide organizations through strategic and tactical operations, and to present new solutions for traditional organizational issues.

Dr. Gudaitis has a master's and doctoral degree in behavioral science from the University of Florida, Gainesville. Since 1987, she has provided consultation and leadership to public and private industry, federal agencies, bureaus, and law enforcement, focusing on domestic and international security-related issues.

The annual dinner is held to honor N. Ty Smith, Professor Emeritus at the University of California in San Diego, a founding member of the Society for Technology in Anesthesia, and its President for the first 5 years. Ty is well known for his research in cardiac physiology, mathematical modeling, and computer simulation in anesthesia. He was a mentor to many STA members.





Featuring a Joint  
Session with the  
**Foundation for  
Anesthesia  
Education and  
Research**

**Society for Technology in Anesthesia**

# **2013 Annual Meeting January 9-12, 2013 Phoenix, Arizona**

## **Royal Palms Resort & Spa**

5200 East Camelback Road, Phoenix, Arizona 85018

Reservations: 800.672.6011 Phone: 602.840.3610

\$239.00 STA Group Rate Available  
Through December 14, 2012



**Signature:**

# Schedule of Events

## Wednesday, January 9, 2013

- 0700 – 0800 **Challenges and Opportunities  
Registration & Continental Breakfast**
- 0800 – 1200 **Challenges and Opportunities in Developing  
Anesthesia Products**  
(for industry)  
*Jeffrey Feldman, MD, MSE*  
*David Feinstein, MD*
- 0800 – 1700 **Exhibitor Registration & Set-up**
- 1200 – 1315 **Challenges and Opportunities &  
STA Board of Directors Lunch**
- 1315 – 1700 **A.I.M.S. Workshop**  
(additional registration required)  
*David L. Reich, MD*
- 1800 – 1930 **Registration & Opening Reception**

## Thursday, January 10, 2013

- 0700 – 0800 **Registration & Continental Breakfast**
- 0800 – 0815 **Welcome Address**  
*George Blike, MD*  
*Jesse Ehrenfeld, MD, PhD*

### Session 1: Keynote Address

- 0815 – 0930 **Using IT to Control Variability in Medical  
Practice & Improve Medical Outcomes**  
*Bill Stead, MD*
- 0930 – 1000 **Break with Exhibitors & Posters**

### Session 2: Patient Safety in the Post-Operative General Care Setting

*George Blike, MD – Moderator*

- 1000 – 1030 **Automated Remote Triage, Military and Civil-  
ian Models & Potential Impact on “Failure to  
Rescue” Events**  
*Susan McGrath, PhD*
- 1030 – 1100 **Sensor Technologies that might Support  
Early Detection Today & Tomorrow**  
*Patrick Tighe, MD, MS*
- 1100 – 1130 **From Respiratory Depression to  
Circulatory Failure, What Can We Do Now?**  
*Andreas Taenzer, MS, MD, FAAP*
- 1130 – 1200 **Panel Discussion**
- 1200 – 1330 **Luncheon  
Personalized Medicine Technology Trends:  
Impact on Anesthesiology**  
*Kenneth Holroyd, MD*

### Session 3: JOINT SESSION



FOUNDATION FOR ANESTHESIA  
EDUCATION AND RESEARCH

#### Regulate or Innovate: Can We Do Both?

*Moderator: Jeffrey Feldman, MD, MSE*

- 1330 – 1400 **The View From the FDA**  
*Speaker Invited*
- 1400 – 1430 **Medical Devices & the World Market**  
*Michael Wilkening*
- 1430 – 1500 **International Regulatory Approaches:  
More Innovative or Less Safe?**  
*Julian Goldman, MD*
- 1500 – 1530 **Panel Discussion**
- 1530 – 1545 **Break with Exhibits & Posters**

### Session 4: Research Awards & Presentations

*Thomas Hemmerling, MD – Moderator*

- 1545 – 1700 **Research Awards & Presentations**

## Friday, January 11, 2013

- 0715 – 0815 **Registration & Continental Breakfast**

### Session 5: Visualizing Complex Data

*Matt B. Weinger, MD – Moderator*

- 0815 – 0845 **Perils & Pitfalls of  
Anesthesiology Displays**  
*Matt B. Weinger, MD*
- 0845 – 0915 **Touch Your Patient -  
A Tactile Display of Information**  
*Mark Ansermino, MBBCh, MMED,  
MSc (Informatics), FFA (SA), FRCPC*
- 0915 – 0945 **Visualizing Complex Data**  
*Heike Hofmann, PhD*
- 0945 – 1000 **Panel Discussion**
- 1000 – 1030 **Break with Exhibitors & Posters**

### Session 6: Monitoring Technology Advances

*Maxime Cannesson, MD – Moderator*

- 1030 – 1100 **Early Warning Scores & Predicting  
Patient Deterioration**  
*Michael O'Reilly, MD*
- 1100 – 1130 **From Identification to Prediction  
Health & Safety**  
*Andreas Taenzer, MS, MD, FAAP*



# Schedule of Events Continued

1130 – 1200 **Use of Complexity Modeling of Physiological Signals to Predict in Real Time Cardio-respiratory Instability**  
*Michael Pinsky, MD, CM, Drhc, FCCP, FCCM*

1200 – 1215 **Panel Discussion**

1215 – 1330 **STA Business Luncheon & Awards**  
*George Blike, MD*

## Session 7: Concurrent Workshops

1330 – 1530

### 1) Closed Loop Controllers

*Maxime Cannesson, MD  
Joseph Rinehart, MD*

### 2) Anesthesia Machines

*Speaker Invited*

### 3) Mobile Applications

*Brian Rothman, MD*

## Session 8: Concurrent Workshops

1530 – 1700

### 1) Industry/Engineering Session

*Christina DeMur  
Greg Spratt, BS, RRT, CPFT*

### 2) Engineering Contest

*Jeff Mandel, MD*

### 3) MPOG

*Sachin Kheterpal, MD*

1800 – 2130 **Dinner Event**  
*(included in attendee registration fee)*

## Saturday, January 12, 2013

0730 – 0830 **Registration & Continental Breakfast**

## Session 9: Decision Support: Today & Tomorrow

*Mohamed Rehman, MD - Moderator*

0830 – 0900 **What Can be Done Today?**  
*Jonathan Wanderer, MD*

0900 – 0930 **What Does the Future Have for Us?**  
*Mark Ansermino, MBBCh, MMED, MSc (Informatics), FFA (SA), FRCPC*

0930 – 1000 **Enterprise Level Data Driven Decision Support**  
*Bimal Desai, MD, MBI, FAAP*

1000 – 1015 **Panel Discussion**

1015 – 1030 **Break**

## Session 10: Cutting Edge Technologies

*John Doyle, MD, PhD & Kirk Shelley, MD - Moderators*

1030 – 1100 **Nanotechnology and the Future of Anesthesia**  
*John Doyle, MD, PhD*

1100 – 1130 **Non-invasive Venous/Arterial Compliance Ratio Determination**  
*Kirk Shelley, MD*

1130 – 1200 **Using the Pulse Oximeter & Peripheral Venous Pressure Waveforms to Guide IV Fluid Replacement**  
*Aymen Alian, MBBCh, MD, MSc*

1200 – 1215 **Panel Discussion**

1215 **Adjourn**

## Invited Faculty

**Aymen Alian, MBBCh, MD, MSc**  
Yale University

**Mark Ansermino, MBBCh, MMED, MSc (Informatics), FFA (SA), FRCPC**  
University of British Columbia

**George Blike, MD**  
Dartmouth-Hitchcock Medical Center

**Maxime Cannesson, MD**  
School of Medicine, University of California-Irvine

**Christina Demur**  
Draeger Medical

**Bimal Desai, MD, MBI, FAAP**  
Perelman School of Medicine ,  
University of Pennsylvania School of Medicine

**John Doyle, MD, PhD**  
Cleveland Clinic

**Jesse Ehrenfeld, MD, PhD**  
Vanderbilt University

**David Feinstein, MD**  
Beth Israel Deaconess Medical Center

**Jeffrey Feldman, MD, MSE**  
The Children's Hospital of Philadelphia

**Julian Goldman, MD**  
Harvard Medical School

**Thomas Hemmerling, MD**  
McGill University

**Heike Hofmann, PhD**  
Iowa State University

**Kenneth Holroyd, MD**  
Vanderbilt University Medical Center

**Sachin Kheterpal, MD**  
University of Michigan

**Jeff Mandel, MD**  
The Hospital of the University of Pennsylvania

**Susan McGrath, PhD**  
Dartmouth-Hitchcock Medical Center

**Michael O'Reilly, MD**  
Masimo

**Michael Pinsky, MD, CM, Drhc, FCCP, FCCM**  
University of Pittsburgh

**Mohamed Rehman, MD, FAAP**  
The Children's Hospital of Philadelphia

**David L. Reich, MD**  
Mount Sinai School of Medicine

**Joseph Rinehart, MD**  
University of California-Irvine

**Brian Rothman, MD**  
Vanderbilt University Medical Center

**Kirk Shelley, MD**  
Yale University

**Greg Spratt, BS, RRT, CPFT**  
Spratt Healthcare Consulting

**Bill Stead, MD**  
Vanderbilt University Medical Center

**Andreas Taenzer, MS, MD, FAAP**  
Dartmouth-Hitchcock Medical Center

**Patrick Tighe, MD, MS**  
University of Florida

**Jonathan Wanderer, MD**  
Vanderbilt University Medical Center

**Matthew B. Weinger, MD**  
Vanderbilt University School of Medicine

**Michael Wilkening**  
Draeger Medical GmbH

# Meeting Accreditation Information

## Program Objectives

1. Examine and identify problems and potential solutions in the anesthesia work space with a special emphasis on exploring new developments in drug delivery, information management and patient monitoring.
2. Identify and explore key factors required for effective translational medical research, including management of conflict of interest issues and implementation of successful strategies to develop technologies.
3. Examine and identify barriers and potential solutions in order to bring new and safe technologies to the clinical practice with a special emphasis on patient monitoring, information management, and patient safety.
4. Explore opportunities to advance and enhance environmentally responsible practices within anesthesia care.
5. Explore opportunities to advance safe automated anesthesia systems in order to improve patients safety.

## Target Audience

This program is designed for physicians, engineers or other practitioners in the field of anesthesia seeking an update on the current state of anesthesia technology.

## Practice Gaps

The 2013 STA Annual Meeting will address the following practice gaps:

- The implementation of the new technology in rapidly changing work environments to include electronic medical records, new monitoring equipment and devices.
- The use of new non invasive technologies for hemodynamic monitoring and management in order to decrease the incidence of complications related to invasive technologies.
- Lower the impact of medical industry and of anesthesiology practice on the environment.
- Understand how automated anesthesia can improve outcomes and patient safety.

## Barriers to Change

1. Understanding changing landscape of medical technology.
2. Incorporating scientific evidence into everyday clinic practice when using technology.

## Accreditation Information

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the International Anesthesia Research Society (IARS) and the Society for Technology in Anesthesia (STA). The International Anesthesia Research Society (IARS) is an accredited body of the Accreditation Council for Continuing Medical Education (ACCME). The International Anesthesia Research Society (IARS) designates this educational activity for AMA PRA Category 1 Credits.<sup>™</sup> Physicians should only claim credit commensurate with the extent of their participation in the activity.

## Overall Goal Statement

The goal of this program is to provide theoretical and practical information on various technologies within the field of clinical anesthesia.

## DISCLOSURE

It is the policy of the IARS to comply with the ACCME standards for commercial support of CME. Planning Committee members and related staff disclosures must be on file annually with disclosures made available on program materials. Faculty participating in sponsored or jointly sponsored programs by IARS are required to disclose to the program audience any real or apparent financial relationships with commercial interests related to the content of their presentation(s). Faculty also are responsible for disclosing any discussion of off-label or investigational use of a product.

# Pre-Conference Sessions

## Anesthesia Information Management System Workshop (A.I.M.S.)

Wednesday, January 9, 2013

0800 - 1200

### Challenges and Opportunities in Developing Anesthesia Products (for industry)

This half day course is planned for industry by the scientist and researcher members of STA involved in designing, testing, and marketing new developments and products to anesthesiologists. Talks will provide participants with a basic understanding of the practice of anesthesiology and how to recognize opportunities for new products. Mini-lectures and group discussions on key aspects of the clinical specialty including anesthesia 'work', behaviors driving equipment usage, the state of anesthesia-induced unconsciousness, and machine function. Simulator sessions using patient mannequins will allow course participants to actually become 'anesthesiologists' for routine and emergent cases presenting common clinical conundrums, demonstrating interactivity with operating room teams, and complications of record keeping. Work groups of anesthesiologists and participants will address what challenges are faced in the design process and how these can be overcome to market a successful product. This will be a highly interactive and stimulating workshop. **OPEN TO INDUSTRY PARTICIPANTS ONLY**

1300 - 1345

### The Ideal A.I.M.S. System *David Reich, MD*

1345 - 1630

### Interactive Session with A.I.M.S. Users

Session will feature clinicians and system users that have experience with a specific system. The clinicians will speak to the process of system implementation, integration and modifications.

**COST TO ATTEND AIMS SESSION  
ONLY \$225.00  
ADD ON TO FULL CONFERENCE  
REGISTRATION \$75.00**