INTERFACE

President's Message

By Joan Spiegel, MD

As this year's President, it is a pleasure to bring you an update of the Society's progress and events. New Orleans, the Big Easy city with historically and culturally rich offerings, hosted this year's ASA participants. The ASA STA breakfast panel entitled, "How Can Mobile Technology Help Me Help My Patients?" with moderator Maxime Cannesson, was very well attended despite there being no physical breakfast elements such as food. Brian Rothman, Allan Simpao, and Jorge Galvez gave excellent updates on mobile technology and the impact on communication cloud computing, critical event preparedness, and healthcare consumption. A special congratulations to Charlotte Bell who succeeded this year in getting STA representation at the ASA Equipment and Facilities Committee, a major accomplishment.

Another event that makes the ASA such a worthwhile October affair is that it means an opportunity to attend the STA Ty Smith Dinner, a yearly sold-out event punctuated by an inspiring speaker, outstanding food, and wonderful company. In the heart of the French Quarter on Bourbon Street, we dined at Arnaud's Restaurant and had the pleasure of hearing Dr. Randy Hickle, the inventor of SEDASYS®, a Computer-Assisted Personalized Sedation (CAPS) system that enables trained physician-led teams to administer minimal-to-moderate propofol sedation to healthy patients undergoing routine colonoscopy or esophagogastroduodenoscopy (EGD) procedures. The entire system launch was announced for the first time at the ASA, in fact.

It looks to be another very excellent Annual STA Meeting, this year being held from January 7-10, 2015 at the Royal Palms Resort

BOARD OF DIRECTORS ELECTION
Deadline to Cast Your Vote:
Monday, December 1, 2014

In This Issue!

STA
Society for Technology in Anesthesia
January 7-10, 2015
Royal Palms Resort & Spa
Phoenix, Arizona
16.75 AMA PRA Category 1 Credits™

2015 annual meeting

STA 2015 Annual Meeting Registration Information on pages 7-11

Anesthesia: Beyond the Horizon

6737 W. Washington St., Suite 1300 | Milwaukee, WI 53214 | 414-389-8600 | www.stahq.org

Report from the Executive Director
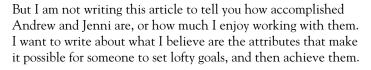
By Jane Svinicki, CAE

Accomplishing Professional Goals

This year I had the pleasure of congratulating Svinicki Association Management Inc. (SAMI) staff members Andrew Bronson, CAE, and Jenni Kilpatrick, CAE, who received their Certified Association Executive (CAE) designation at the American Society of Association Executives (ASAE) meeting in Nashville. Less than five percent of all association professionals have earned their CAE. The CAE credential represents the highest level of commitment to a career in association management.

Getting the CAE is hard work. It requires three years experience in nonprofit organization management, completing a minimum of 100 hours of specialized professional development, passing a stringent examination in association management, and pledging to uphold a code of ethics.

But I am not writing this article to tell you how accomplished Andrew and Jenni are, or how much I enjoy working with them. I want to write about what I believe are the attributes that make it possible for someone to set lofty goals, and then achieve them.
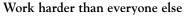
Have a clear sense of purpose
Jenni said that she made the decision to achieve her CAE to better serve her clients in achieving their goals. Andrew wanted to learn and apply the body of knowledge that makes up the association profession. Understanding why you want to accomplish a goal is the fuel that keeps progress moving forward.

Be a master of valuable skills
Meeting standards is not enough, you need to keep learning and teaching. High achievers are acquiring new skills, mastering new technology, and helping co-workers. They are interested in everything and committed to learning that advances the organization mission. They ignore their job description and go beyond the expected.

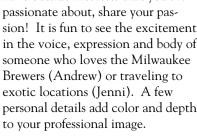### Work harder than everyone else
One way you can always stand out - regardless of talent, experience or skill – is by outworking everyone else. Be known as the person who responds quicker, acts faster and always follows up. Instead of just pointing out problems and flaws, jump in and fix them. Arrive early, stay late but do it for the purpose of contributing to a goal for the company.

Show a little of your personal side
A balanced life is important for sound mental health. If you have outside interests that you are passionate about, share your passion! It is fun to see the excitement in the voice, expression and body of someone who loves the Milwaukee Brewers (Andrew) or traveling to exotic locations (Jenni). A few personal details add color and depth to your professional image.

Have strong personal beliefs
Speak up when others won't. High achievers have an innate feel for the issues and concerns of those around them, and step up to ask questions or raise important issues when others hesitate. Contrary to what many employees think, bosses want people around them that are engaged, have questions, and participate in discussions.

Acknowledge the accomplishments of others
Praise publically and sincerely. Recognize the contributions of others, especially in group settings where the impact of your words is even greater. It is true that few people take the time to publically recognize the excellent work of others. That is why it is so impactful when you do.

Finally
So I take time now to recognize Andrew and Jenni for their dedication to achieving the CAE, and I know that it is only one of many career accomplishments in their future.

See you in Phoenix at the STA 2015 Annual Meeting.

Jane A. Svinicki, CAE
Executive Director

STA 2014 Ty Smith Dinner Recap

By James Szocik, MD

The 2014 Ty Smith Dinner was held at Arnaud's restaurant in New Orleans, LA on Sunday, October 12, 2014. After a social hour of mingling, and an elegant dinner, we heard from Dr. Randy Hickle, inventor of the SEDASYS® System and President & CEO of Grace Health System, the driving force behind the creation of Sedasys™, an integrated feedback monitor and infusion pump for the patient guided administration of sedation under GI procedures. Dr. Hickle gave an emotional presentation, describing his drive to be able to provide sedation for procedures where an anesthesiologist is not present. His first company, Scott Laboratories, is named after his son Scott, and his second, Grace Health System, after his daughter Grace and the decades long timeline resulting in the FDA approval of Sedasys™.

Lively discussion followed the presentation and a good time was had by all.

Speaker Dr. Randy Hickle giving a lively presentation on the Sedasys™ System

Flaming Bananas Foster flambé dessert

3 Findings on Alarm Management from the Attendee Survey at the Society for Technology in Anesthesia 2014 Annual Meeting

An alarm management session was held at the STA January 2014 meeting. The concurrent session presented by Michael Wong, Michael Mestek, and Joe Schlesinger had over 50 attendees.

There was excellent participation from the attendees and 25 completed a quick survey on their current practices and opinions in regard to alarm management. Michael Wong from Physician-Patient Alliance for Health and Safety posted a story with results on the on the PPAHS (www.ppahs.org) website.

For the full story and data, click here:
http://ppahs.org/2014/02/26/3-findings-on-alarm-management-from-the-attendee-survey-at-the-society-for-technology-in-anesthesia-2014-annual-meeting/

President's Message *continued from cover*

& Spa in sunny Phoenix, AZ. Much gratitude goes to Allan Simpao, this year's Program Director, who is organizing a wonderful array of speakers and workshops. Please do not miss the 2015 STA "Anesthesia: Beyond the Horizon", a meeting that will interest broadly. Although for many of our members travel to Arizona means no direct flights, I believe it is well worth the layover(s). Phoenix owes our Society better weather than we had last meeting there two years ago, and the surrounding mountain beauty will undoubtedly be a relaxing place to gather.

I would like to encourage our members to promote interest in STA with the younger crowd, and remind everyone of the date – January 7-10, 2015. Both registration and the abstract panel are now open for submissions!

See you in Phoenix!

Joan Spiegel, MD
President, STA

2015 Board of Directors Voting Information

The 2015 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** or CLICK HERE to proceed to the voting website.

BOARD OF DIRECTORS ELECTION
Deadline to Cast Your Vote:
Monday, December 1, 2014

Candidate Profiles

Position: President Elect *(to approve or reject)*

Brian Rothman, MD

Brian Rothman, MD, is Associate Professor of Anesthesiology and Medical Director of Perioperative Informatics at Vanderbilt University Medical Center. Dr. Rothman received his medical degree from the University of Cincinnati and completed his residency at The Johns Hopkins Hospital. He serves on the Electronic Media and Information Technology and Equipment and Facilities committees for the American Society of Anesthesiologists (ASA). He has served in the Society for Technology in Anesthesia (STA) as Treasurer and an At Large Member of the Board of Directors. His current work focuses on the meaningful application of mobile technology to healthcare and further enhancing Vanderbilt's Perioperative EHR, VPIMS. The enhancements seek to improve patient safety, efficiency and communication relying on accurate data acquisition and handling with delivery to the correct personnel at the appropriate time, recognizing the data's relative criticality in a provider's workflow.

Position: Secretary *(vote for one of two)*

Norma Sandrock, MD

Norma Sandrock, MD has been a member of the STA since 2009, drawn to the Society by her engineering past and love for all things and people technical and innovative. She has enjoyed teaching the "Anesthesia 101" course at the Annual Meeting for the last five years and loves the opportunity to educate STA's industry friends about the daily life of a clinician and the challenges faced that present opportunities for innovation. Dr. Sandrock is happy to have the opportunity for more involvement with the Society and the opportunity for a greater contribution. Her educational and training background is: BSChE from Washington University in St. Louis, MO, MD from Harvard Medical School, internship in Internal Medicine at New England Deaconess Hospital and residency in Anesthesiology/Fellowship in Pain Management at Beth Israel Hospital. She is currently on the attending staff at Beth Israel Deaconess Medical Center in Boston, MA.

Aymen Alian, MD

Dr. Alian is honored be nominated for the Secretary position on the STA Board of Directors. He is currently an Associate Professor of Anesthesiology at Yale University, where he did his anesthesia residency. He has been an active member and participant in the STA for over 14 years. His primary research interests focus on studying the impact of different breathing patterns on the pulse oximeter and peripheral venous pressure.

His participation began in 2001, when he was honored to receive an award for Best Technology Abstract entitled, *"Blood pressure determination using the pulse oximeter waveform"* from the STA. He has been an active participant in the Annual Meeting every year since then. In addition, in 2011, he was honored once again when he received an honorable mention award for Best Technology Abstract entitled, *"Impact of central hypovolemia on photoplethysmographic waveform parameters in healthy volunteers."*

Over the years, he has been impressed by the focus of the Society's members, and by their openness to new ideas, as well as their ability to embrace and nourish so many new technologies. He has seen first-hand how the support of this Society has spurred on the interest of many researchers, such as himself, and how the STA has encouraged the development of new technologies that no one else would.

He would be honored to serve as a STA Board Member. He looks forward to doing what he can to support the Society's mission in a more active role than a simple participant. He feels as a Board Member he can better serve the STA, helping it to continue to be an invaluable asset to the field of Anesthesia by supporting the development and use of new technologies in the field.

Position: International Member At Large *(vote for one of four)*

Thomas Hemmerling, MSc, MD, DEAA
Dr. Hemmerling is an Associate Professor in anesthesia and a Director in ITAG laboratory at McGill University and an Associate Director at the Arnold and Blema Steinberg Medical Simulation Centre. This would be his second term as representative for International-At-Large on the STA Board of Directors. He is acts as Chair of the STA Research Committee.

Dr. Hemmerling has implemented and secured funds for the past 3 years for the STA Fresenius Award at approximately $7,500 per year.

His future vision is implementation of a second research award for young researchers and to improve the international profile of the STA, especially versus the emerging research community and Europe.

Matthias Görges, PhD
Dr. Görges earned his PhD in Bioengineering from the University of Utah, where he was a graduate fellow in the Anesthesiology Bioengineering Laboratory under the supervision of Professors Westenskow and Orr. Currently, Matthias is a post-doctoral fellow in the Pediatric Anesthesia Research Team at the University of British Columbia in Vancouver, working with Professors Ansermino and Dumont. He has attended the Society for Technology in Anesthesia (STA) Annual Meetings since 2010, which he values for opportunities to network, gain inspiration for new research ideas and to receive feedback from leaders in both engineering and perioperative medicine. His research interests are patient monitoring (alarms, integrated displays, mobile health and decision support), and technology evaluations in the critical care setting (cardiac output, respiratory rate and pre-operative warming).

Richard Riley, MBBS, FANZCA
Richard Riley, MBBS, FANZCA is Clinical Associate Professor of Anesthesia in the Faculty of Medicine and is a PhD candidate in the School of Population Health, University of Western Australia. He is a Fellow of the Australian and New Zealand College of Anaesthetists (ANZCA) and is Board Certified in Anesthesiology (USA). Currently he is Editor of Australasian Anaesthesia (ANZCA) and the Manual of Simulation in Healthcare (Oxford University Press). His interests include simulation and technology in healthcare, obesity, difficult airway management and safety in surgery and anesthesia. He is a staff anesthesiologist at Royal Perth Hospital.

Jan Hendrickx, MD, PhD
Jan Hendrickx, MD, PhD studied medicine at the University of Louvain, Belgium. He graduated as an anesthesiologist from the University of Pittsburgh, PA, in 1996. He currently works in the OLV Hospital, Aast, Belgium. His major research interests include quantitative aspects of low flow and closed circuit anesthesia, automated low flow anesthesia and PKPD visualization systems. He is current chair of the ESA committee on Monitoring, Ultrasound and Equipment. He is founder of NAVAt, an international platform for automated low flow and PKPD visualization systems (www.navat.org).

Candidate Profiles *continued from previous page*

Position: Industry Member At Large *(vote for one of three)*

Heidi Hughes
Heidi has over 20 years of experience in the medical industry, including extensive clinical experience in Anesthesia, Critical Care and Cardiology, holding a Bachelor's degree in Science (Nursing), with a Major in Critical Care Nursing as well as formal marketing qualifications.

She has extensive international experience, having lived and worked in the field on three continents and five countries, which has given her a very strong network within the Critical Care and Anesthesia environment.

She has been involved with the STA for 18 years and is a strong supporter of its vision. She looks forward to working closely again with the Society.

Dave Giarracco
Dave has more than 20 years of experience in the medical device industry with leadership positions in quality, engineering, operations and commercial. He has been with Covidien for over 14 years and has held a variety of positions at both the Surgical Solutions Group and Respiratory and Monitoring Solutions business with business experiences ranging the care continuum

from pre-hospital, hospital to home and chronic care. Dave has a bachelor's degree in biomedical engineering and materials science and engineering from The Johns Hopkins University, and a master's in biomedical engineering from The Johns Hopkins University School of Medicine.

Justin Adams
Justin Adams, BSEE, MBA, is the CEO of AlertWatch. The firm is focused on the development of patient monitoring solutions for anesthesia. In his leadership role, Justin collaborates directly with many anesthesia providers, including Dr. Kevin Tremper and Dr. Jim Bagian at the University of Michigan Health System.

Justin is passionate about all facets of technology and innovation, having spent several years in venture capital, and many years as an embedded control software developer. Justin has four issued patents and two pending patents to his name, all pertaining to sensors and signal processing.

As STA's Industry-At-Large Board Member, Justin is interested in bringing practical ideas to the discussion on how anesthesia technology can solve the critical issues surrounding patient safety and quality.

STA 2014 Board of Directors

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STA Office Holiday Hours

The STA Office will be closed on the following dates:

November 27-28, 2014

December 24-25, 2014
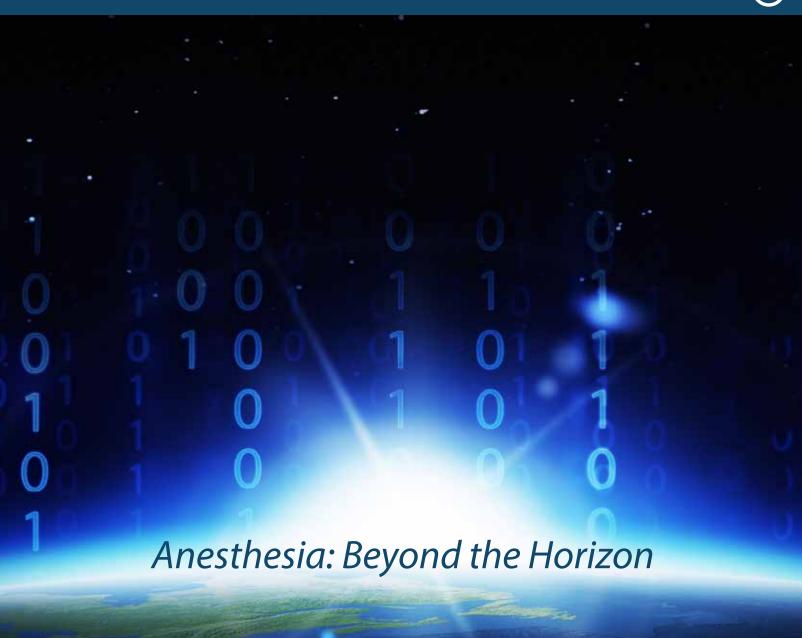
December 31, 2014 - January 1, 2015

Society for Technology in Anesthesia

January 7-10, 2015
Royal Palms Resort & Spa
Phoenix, Arizona
16.75 AMA PRA Category 1 Credits™

2015 annual meeting

Anesthesia: Beyond the Horizon

Meeting Accreditation Information

Activity Overview

The Society for Technology in Anesthesia (STA) 2015 Annual Meeting will provide information on the future of technology within the field of clinical anesthesia. The Annual Meeting will address the evolving role of computer technology and informatics in anesthesiology and overall health care, the enterprise-level implications of anesthesia technology, innovations in anesthesia safety, present and future respiratory monitoring technology, the surgical perioperative home, clinical decision support and anesthesia information management systems (AIMS).

Target Audience

This live activity is designed for a national and international audience of physicians, engineers or other practitioners in the field of anesthesia seeking an update on the current and possible future state of anesthesia technology.

Educational Objectives

As a result of participation in this CME activity, learners should be able to:

- Explore how anesthesia technology fits into the greater scope of the overall hospital and health care technology infrastructure.
- Identify and examine problems and potential solutions in the anesthesia workspace, with emphasis on pediatric inhalational anesthesia, robotic safety and closed-loop systems.
- Explore key advances in respiratory monitoring technology and their potential impact on patient safety.
- Examine and identify the barriers and potential solutions to the perioperative surgical home and how technology can help perioperative clinicians comply with best practices as well as broaden their scope beyond the operating system.
- Explore potential problems and solutions regarding real-time clinical decision support as well as team cognitive work analysis and mobile patient monitoring.
- Investigate the techniques and methods by which one can leverage anesthesia information management systems to improve outcomes and patient safety.

Barriers to change:
- Understanding the rapidly evolving convergence of the medical and information sciences
- Integrating valid scientific evidence and cutting-edge technology into daily clinical practice

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Institute for the Advancement of Human Behavior (IAHB) and the Society for Technology in Anesthesia (STA). The IAHB is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The IAHB designates this live activity for a maximum of *16.75 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pre-Conference Session

Challenges and Opportunities in Developing Anesthesia Products (for industry)
Wednesday, January 7, 2015 • 0800 - 1200

This half day course is planned for industry by the scientist and researcher members of the 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**

Schedule of Events

Wednesday, January 7, 2015

0700 – 0800	**Challenges and Opportunities Registration & Continental Breakfast**
0800 – 1700	**Exhibitor Registration & Set-Up**
0800 – 1200	**Challenges and Opportunities in Developing Anesthesia Products (industry)** *David Feinstein, MD, Jeffrey Feldman, MD, MSE, Norma Sandrock, MD*
1200 – 1315	**Challenges and Opportunities & STA Board of Directors Lunch**
1800 –1930	**Registration & Welcome Reception**

Thursday, January 8, 2015

0700 – 0800	**Registration & Continental Breakfast**
0800 – 0815	**Welcome Address** *Joan Spiegel, MD, STA President, Allan Simpao, MD, STA Annual Meeting Program Chair*

Session 1: Keynote Address

0815 – 0930	**Computing the Future: The Evolving Roles of Informatics and Information Technology in Health Care** *Ted Shortliffe, MD, PhD*
0930 – 1000	**Break with Exhibitors & Posters**

Session 2: Cost of Doing Business
Moderator: Mohamed Rehman, MD

1000 –1030	**Hospital Capital Budget Process for IT: Hospital President's Perspective** *David Reich, MD*
1030 – 1100	**Cost of Doing Business and IT Prioritization: CIO's View** *Bryan Wolf, MD, PhD*
1100 – 1130	**Health IT: Hype vs. Reality** *Basam Kadry, MD*
1130 – 1215	**Panel Discussion**
1215 – 1330	**Luncheon**

Session 3: STA & FAER Joint Session / Safety & Innovation
Moderator: John Pawlowski, MD, PhD

1330 – 1400	**Innovation in Pediatric Inhalation** *Gabriel Gurman, MD*
1400 – 1430	**Innovation in Robotic Safety** *John Pawlowski, MD, PhD*
1430 – 1500	**Innovation in Closed-Loop Systems** *Joseph Rinehart, MD*
1500 – 1530	**Innovations in Standards for Interoperability** *Julian Goldman, MD*
1530 – 1545	**Panel Discussion**

1545 – 1600	**Break with Exhibitors & Posters**

Session 4: Research Awards & Presentations
Moderator: Thomas Hemmerling, MD, MSc, DEAA

1600 – 1715	**Research Awards & Presentations**

Friday, January 9, 2015

0715 – 0815	**Registration & Continental Breakfast**

Session 5: Respiratory Monitoring to Optimize Mechanical Ventilation
Moderator: Jeffrey Feldman, MD, MSE

0815 – 0845	**Current State of Bedside Monitors to Optimize Ventilation** Jeffrey Feldman, MD, MSE
0845 – 0915	**Respiratory Monitoring and Integrated Displays** Robert Loeb, MD
0915 – 0945	**Respiratory Monitoring - Looking Over the Horizon** Igor Brodkin, MD
0945 – 1000	**Panel Discussion**
1000 – 1030	**Break with Exhibitors & Posters**

Session 6: Surgical Perioperative Home
Moderator: Maxime Cannesson, MD, PhD

1030 – 1100	**The Perioperative Surgical Home: What Problems Are We Trying to Solve?** *Zeev Kain, MD*
1100 – 1130	**Using Technologies to Help Clinicians Comply with Best Evidence / Best Practices** *Franklin Dexter, MD, PhD*
1130 – 1200	**How Can Technologies Help Clinicians Get Involved Outside the Operating Rooms and After Hospital Discharge?** *Maxime Cannesson, MD, PhD*
1200 – 1215	**Panel Discussion**
1215 – 1330	**STA Business Luncheon & Awards**

Session 7: Concurrent Workshops

1330 – 1530	**1) Young Researchers Workshop** *Thomas Hemmerling, MD, MSc, DEAA, Jorge Galvez, MD, Christine Lee, J. Mark Ansermino, MBBCh, Maxime Cannesson, MD, PhD*

The objective of this workshop is to create a community of young scientists. In this community, researchers will share their experiences in the scientific field, individual research, as well as foster potential collaborative relationships to further promote the advancement of anesthesia research.

1330 – 1530	**2) Visual Analytics Dashboard Design** *Luis Ahumada, MSCS*

Attendees at this interactive workshop will review and practice the fundamental Tufte-Few principles of visualization of clinically relevant data. The ongoing adoption of anesthesia information management systems has created an opportunity for users

to represent and analyze anesthesia data in many ways, including tabular reports, charts, graphs, dashboards and scorecards. How this data is displayed can be of similar importance to the validity of the data. In a clinical setting, we encounter unique challenges when transforming anesthesia data into visual analytics dashboards and scorecards. Attendees will review the Tufte-Few principles and then form groups that will create mock visual analytics dashboards which will then be critiqued, compared, and discussed.

Session 8:   Concurrent Workshops

1530 – 1730   **1) Complex Care and Clinical Decision Support (CDS) - Make My AIMS Smarter!**
Brian Rothman, MD

This interactive workshop will explore common themes in CDS architecture, end-user design and why CDS is becoming ever more vital with increasing care pathway complexity. After establishing core care pathway and CDS tenets, learners will volunteer their wish-lists for AIMS CDS. One (perhaps two if time allows) of these will be selected by the group. Learners will then define the problem to solve, the business logic needed, the architecture and data elements required, what will be required to deliver the CDS to the end-user, the outcome or action expected and finally, if feedback on any actions taken is necessary and how and to whom it should be delivered.

1530 – 1730   **2) Performance Metrics and Clinical Outcomes - Automated AIMS Analytics In (Near) Real Time!**

Jonathan Wanderer, MD

This interactive workshop will explore opportunities, issues and dilemmas encountered when utilizing AIMS and other EMR data sources to develop clinician-level metrics for automated reporting. After reviewing our current required metrics and the rationale for providing clinicians with feedback, learners will develop ideas for performance metrics that would be meaningful in their own clinical context. Several ideas will be chosen by the group, and implementation requirements and potential pitfalls explored. In the second half, learners will brainstorm possible clinical outcomes that could be delivered via automated reporting. Data sources for outcomes reporting will be considered, and the potential utility of and methods for connecting clinicians to their patients' outcomes will be discussed.

1530 – 1730   **STA Engineering Challenge**

1800 – 2130   **STA Dinner Event**

Saturday, January 10, 2015

0730 – 0830   **Registration & Continental Breakfast**

Session 9:   Help! My Computer is Telling Me What to Do
Moderator: J. Mark Ansermino, MBBCh

0830 – 0900   **Team Cognitive Work Analysis: Understanding Different Perspectives on Shared Technologies**
Catherine Burns, PhD

0900 – 0930   **Mobile Patient Monitoring: Designing the Transition from Sensors and Displays to Decision Support Tools**
Matthias Gorges, PhD

0930 – 1000   **Development and Use of the Smart Anesthesia Manager (SAM) – An AIMS Based Real-Time Decision Support Module**
Bala Nair, PhD

1000 – 1015   **Panel Discussion**

1015 – 1030   **Break**

Session 10: AIMS Panel: Breaking Up is Hard to Do
Moderator: Richard Epstein, MD

1030 – 1100   **Driving Reporting and Quality Improvement**
Patrick Guffey, MD

1100 – 1130   **Building a Perioperative Data Warehouse From Your AIMS Data**
Matthew Levin, MD

1130 – 1200   **Long Term Planning for Your Anesthesia Software and Data**
Patrick McCormick, MD

1200 – 1230   **Panel Discussion**

1230   **Adjourn**

Invited Faculty

Luis Ahumada, MSCS
Children's Hospital of Philadelphia

J. Mark Ansermino, MBBCh
University of British Columbia

Igor Brodkin, MD
Vancouver Coastal Health

Catherine Burns, PhD
University of Waterloo

Maxime Cannesson, MD, PhD
University of California-Irvine

Franklin Dexter, MD, PhD
University of Iowa

Richard Epstein, MD
Thomas Jefferson University Hospital

David Feinstein, MD
Beth Israel Deaconess Medical Center (BIDMC)

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

Jorge Galvez, MD
Children's Hospital of Philadelphia

Julian Goldman, MD
Massachusetts General Hospital

Matthias Gorges, PhD
University of British Columbia

Patrick Guffey, MD
Children's Hospital of Colorado

Gabriel Gurman, MD
Ben Gurion University of the Negev

Thomas Hemmerling, MD, MSc, DEAA
McGill Montreal General Hospital

Basam Kadry, MD
Stanford School of Medicine

Zeev Kain, MD
University of California-Irvine

Christine Lee
University of California-Irvine

Matthew Levin, MD
Mount Sinai Health System

Robert Loeb, MD
University of Arizona

Jeff Mandel, MD, MS
University of Pennsylvania

Patrick McCormick, MD
Mount Sinai Health System

Bala Nair, PhD
University of Washington Seattle

John Pawlowski, MD, PhD
Beth Israel Deaconess Medical Center (BIDMC)

Mohamed Rehman, MD
Children's Hospital of Philadelphia

David Reich, MD
Mount Sinai Health System

Joseph Rinehart, MD
University of California-Irvine

Brian Rothman, MD
Vanderbilt University

Norma Sandrock, MD
Beth Israel Deaconess Medical Center (BIDMC)

Ted Shortliffe, MD, PhD
Arizona State University

Allan Simpao, MD
STA Program Chair
Children's Hospital of Philadelphia

Joan Spiegel, MD
STA President
Beth Israel Deaconess Medical Center (BIDMC)

Jonathan Wanderer, MD
Vanderbilt University

Bryan Wolf, MD, PhD
Children's Hospital of Philadelphia

Meeting Registration Information

ONLINE REGISTRATION   www.stahq.org

Online registration accepted until Sunday, December 28, 2014 – Limited Onsite Registration

MAIL OR FAX REGISTRATION FORM

This is how your name will appear on your name badge. ***Required fields.**

*FIRST NAME:

*LAST NAME:

SUFFIX (JR., SR., ETC.):

*HIGHEST DEGREE(S):

*COMPANY/INSTITUTIONAL AFFILIATION:

*ADDRESS:

*CITY:

*STATE/PROVINCE:

*ZIP:

*COUNTRY:

*PHONE:

FAX:

*EMAIL ADDRESS:

Special Needs: ❑ Hearing Impaired ❑ Sight Impaired ❑ Other:

❑ Dietary *(Please Specify)*

REGISTRATION FEES *Course materials. reception, 2 lunches, 3 continental breakfasts and Friday night dinner event*

	Early Bird by 11/17/14	12/8/14	After 12/8/14
❑ STA Member Registration *(membership dues must be paid for 2015)*	$475.00	$500.00	$575.00
❑ *Non-Member Registration	$575.00	$600.00	$675.00
❑ Resident Registration	$50.00	$50.00	$50.00

*Non-member fee includes 1 year of membership to qualifying physicians

ALA CARTÉ ITEMS

❑ Additional Wednesday Night Reception Ticket **$50.00**

❑ Additional Friday Night Dinner Ticket **$99.00**

❑ 2015 Membership Dues Renewal **$100.00**

SUB TOTAL:

PAYMENT MUST ACCOMPANY REGISTRATION.   **TOTAL DUE:**

METHOD OF PAYMENT

The following methods of payment are acceptable for the registration fee:

1. **Check:**   Made payable to STA. *There is a $25 returned check fee.*
        ❑   Check Included

2. **Credit Card Payments:**   ❑ Visa   ❑ MasterCard   ❑ Discover   ❑ AMEX

NAME ON CARD:

CARD #:   SECURITY CODE: EXP. DATE: /

SIGNATURE:

Paper Registrations By Fax or Mail
(SEE CONTACT INFORMATION BELOW)
If you are unable to register online please fax or mail your paper registration form.

Onsite Registrations
Online registration accepted until December 28, 2014. After December 28th limited onsite registration is available.

Registration Cancellation
All cancellations must be in writing and sent via U.S. mail, email or fax. Fee for cancellations postmarked or date stamped before **December 28, 2014** will be completely refunded with an administrative fee of $25. **NO REFUNDS WILL BE MADE AFTER DECEMBER 28, 2014.**

Questions? Contact Us:

Society for Technology in Anesthesia
6737 W. Washington St. Suite 1300
Milwaukee, WI 53214
stahq@stahq.org
OFFICE: **414-389-8600**
FAX: **414-276-7704**

PLEASE NOTE: Registration is not complete until you receive a confirmation email for your pre-registration. If you do not receive this email within 5-7 days of registration, please contact us at 414-389-8600.

It is recommended to bring your confirmation of registration with you to the conference.

Registration Fee Includes:

- Registration and Course Materials
- Reception, 2 lunches, 3 continental breakfasts and Friday night dinner