

STA 2006

Inventing the Future: Automating the Enterprise

January 19-21, 2006

&

Computers in Anesthesia XXVI an AIMS Expo!

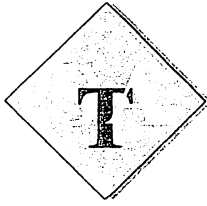
January 17-18, 2006

Hilton San Diego Resort
San Diego, California

Sponsored by the Society for Technology in Anesthesia
www.AnesTech.org



Society for Technology in Anesthesia
2 Summit Park Drive, Suite 140
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Society for Technology in Anesthesia

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A Message from the President:

Welcome to STA 2006 - Inventing the Future: Automating the Enterprise. We look forward to seeing you and speaking with you throughout the meetings.

2005 was a pivotal year for the Society for Technology in Anesthesia. The retirement of our Executive Director, Beverlee Anderson, necessitated a change to new management for the society. After extensive research, the Board of Directors chose to align with the IARS with Anne Maggiore as Executive Director. Beverlee's expertise and experience came at a critical juncture in the development of the STA and brought the Society to new levels in membership and productivity. Although she will never be replaced in our hearts, our new team has already proven to be the perfect choice for expanding the STA in new directions.

A second major change occurred last year as the Society for Medical Simulation separated from the STA and became an independent entity. We feel proud that we were able to foster this group through financial and organizational support the past several years, so that they are now able to independently further simulation as a critical educational, clinical and research tool. This success demonstrates precisely the goals of STA: to support and grow areas of technology that improve and promote the practice of anesthesiology. Our congratulations and best wishes for continuing growth go to the leaders and members of SMS.

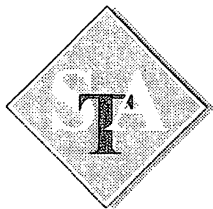
With change comes growth for STA as well. Anesthesiology has been heralded as the specialty that has used technology to foster improved patient care and patient safety. Every single anesthesiologist and anesthesiologist is a 'technology specialist' using complex equipment, monitors, and tools throughout daily practice. Although STA was originally started by a small group of individuals interested in engineering technology, it has grown and developed to include individuals and corporate groups interested in routine vital sign monitoring, complex monitors (such as consciousness), tools that improve clinical work and education, systems that allow us to see inside the body, administrative and management systems for operating rooms and departments, patient support tools, design of new drugs, tools for hazardous environments, and more. Additionally, the society welcomes individuals with interests in user interface or how these advances work successfully in the anesthesiologist's unique environment.

The Computers in Anesthesia (CIA) XXVI Meeting, normally scheduled to follow the ASA meeting in October, was moved due to Hurricane Katrina and the devastation that occurred in Biloxi, Mississippi. The STA welcomes the CIA XXVI Meeting, which precedes the start of STA, January 17-18, 2006.

We welcome your participation in these exciting meetings!

Sincerely,

Charlotte Bell, MD
STA President



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The Society for Technology in Anesthesia (STA) is an international membership-based non-profit organization. Members are physicians, engineers, students and other non-physicians who represent the users, teachers and developers of anesthesia-related technologies, computing, and simulators. STA has two official Component Sections, a Section on Computing and a Section on Simulation each of which is responsible for a scientific meeting, plus several less formal Special Interest Groups.

The Society for Technology in Anesthesia (STA) is pleased to be a Component Society of the IARS and the sponsor of the Section in *Anesthesia and Analgesia* on Technology, Computing and Simulation. *Anesthesia and Analgesia* is STA's Official Journal.

2005 Board of Directors

President

Charlotte Bell, MD

New York University School of Medicine

Immediate Past President

Jeff Feldman, MD

Private Practice

President Elect

Julian Gloldman, MD

Harvard Medical School

Secretary

W. Bosseau Murray, MD

Pennsylvania State University

Treasurer

David Feinstein, MD

Beth Israel Deaconess

At Large Members

Rene Hagcnouw

Heidi Hughes

Illka Kalli

Scm Lempotang

Mike Petterson

James Szocik

2005-2006 Chairs

2005 STA @ ASA Activities

Robert Loch, MD

University of Arizona

Computers in Anesthesia

David Feinstein, MD

Beth Israel Deaconess

Oliver C. Wenker, MD

University of Texas

(Scientific Chair)

2006 Annual Meeting

Kirk Shelley, MD, PhD

Yale University

Dwayne Westenskow, PhD

University of Utah

(Scientific Chair)



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We would like to recognize our corporate supporters for 2006. These companies have made our educational and research activities possible.

Andros, Inc.

Cardiopulmonary Corp.

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Criticare Systems, Inc.

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SPONSOR INFORMATION

ANDROS, INC.

At Andros, we build products that make the Earth a cleaner and healthier place to live. We develop the technologies that help anesthesiologists fulfill their critical role in the operating room. Our engineering expertise encompasses disciplines ranging from optical architecture, electronics, and software, to innovative mechanical designs for various components and complete systems. Andros is dedicated to developing affordable products that promote solutions for a healthier planet.

CARDIOPULMONARY CORP.

Cardiopulmonary Corp. designs, develops, and implements medical enterprise software for life-support critical care medical applications. Cardiopulmonary Corp. is a market leader of hospital-wide proprietary information technology, the Bernoulli® Ventilation Management System, Oxinet III®, and InTouch®, used widely in the surveillance of time sensitive data derived from mechanical ventilators, physiologic monitors, oximeters, infusion pumps and other medical devices.

CERNER

For more than 26 years, under the consistent leadership of our three founders, Cerner has focused on developing health-care information technology (HIT) solutions. Our 870 clinicians, 1,360 engineers and 2,100 consultants have deployed more than 4,300 Cerner Millennium® applications to clients across the globe. Cerner Millennium is a first-of-its-kind, person-centric architecture. Now in its 12th release, it is a unified, industrial-strength technology platform that delivers ongoing value for organizations ranging from the several doctor physician practice to entire countries.

CRITICARE SYSTEMS, INC.

Criticare Systems, Inc. (CSI) is committed to addressing the needs of a rapidly changing healthcare system by designing, manufacturing, and marketing cost-effective patient monitoring systems and non-invasive sensors – using proprietary technology – that reduce healthcare costs and improve patient management. The company's products address patient safety concerns and monitoring needs in anesthesia, critical care, respiratory care, transport, and outpatient care environments. Comprehensive customer support, economical rental ownership programs, prompt equipment service and technical support programs make even its most advanced systems affordable and consistently productive.

DOCUSYS, INC.

DocuSys, providing comprehensive digitization of anesthetics, incorporates customizable decision support, professional fee capture, comorbid condition documentation and automatic documentation, tracking and billing of drugs to maximize quality and financial return. The system incorporates an intravenous drug monitor, DocuJect®, which utilizes bar-coding and digital imaging to digitize drug delivery data.

DRAEGER MEDICAL

Dräger Medical's CareArca Solutions integrate leading-edge medical systems to help evolutionize the acute point of care. Highly flexible architectural systems improve OR turnover while IT solutions provide anytime, anywhere access to all therapy and documentation data. Advanced therapy solutions reduce anesthetic drug usage and improve predictability, while transport solutions drive more efficient, focused patient care.

GE HEALTHCARE TECH

GE Healthcare provides transformational medical technologies that will shape a new age of patient care. GE Healthcare offers a broad range of services to improve productivity in healthcare and enable healthcare providers to better diagnose, treat and manage patients. For more information about GE Healthcare, visit www.gehealthcare.com.



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HOSPIRA WORLDWIDE

Hospira is a global specialty pharmaceutical and medication delivery company dedicated to *Advancing Wellness™* by developing, manufacturing and marketing products that help improve the productivity, safety and efficacy of patient care. Created from the core global hospital products business of Abbott Laboratories in April 2004, Hospira is a new company with 70 years of service to the hospital products industry

iMDsoft

iMDsoft's MetaVision Suite of clinical information systems for critical care assists clinicians by automating the workflow and documentation processes. It features fully-integrated tools for data collection, presentation, and order management across the critical care continuum. Supported by powerful decision support and analysis tools, it promotes patient safety and enhances quality initiatives, cost containment, revenue capture, research, and compliance.

MASIMO CORPORATION

Masimo Corporation is the innovator and leader of motion and low perfusion tolerant pulse oximetry. Over 70 independent and objective studies have demonstrated the superior performance of Masimo Signal Extraction Technology® (Masimo SET™). Masimo licenses Masimo SET technology to over 35 patient monitoring companies representing 70% of the world's pulse oximetry shipments.

MedRad

It is our mission to be a worldwide market leader of medical devices and services that enable or enhance diagnostic and therapeutic imaging procedures. Medical imaging is a window into the vast, mysterious terrain of the human body. It can reveal the health of a beating heart, which produces an amazing three billion beats over the average lifetime... detect a blockage within the body's 60,000 miles of vessels and arteries... and illuminate a single nerve. More than ever, medical imaging is a life-saving endeavor in which MEDRAD is playing a vital part.

NELLCOR/TYCO HEALTHCARE

Nellcor is dedicated to developing innovative, clinically relevant medical products with an emphasis on noninvasive patient safety monitoring and respiratory care. A part of Tyco Healthcare, Nellcor is the world's foremost supplier of pulse oximetry, and airway management products. The company also offers a wide range of products for measuring and regulating patient body temperature.

PHILIPS MEDICAL

Philips offers a robust portfolio of medical systems. The goal of each product is clear -- faster and more accurate diagnosis and treatment. Our product line includes best-in-class technologies in X-ray, ultrasound, magnetic resonance, computed tomography, nuclear medicine, PET, radiation oncology systems, patient monitoring, information management and resuscitation products. We also offer a wide range of services including, but not limited to, training and education, business consultancy, financial services and e-care business services.

PICIS

Picis delivers proven information systems for high-acuity care — the emergency department, the operating room and intensive care — filling a critical need unmet by today's healthcare IT vendors. Picis provides a single vendor of best-of-cluster solutions, targeting core business areas where costs and revenues are greatest and patients are most vulnerable. With seamless information sharing and interoperability within high-acuity care, Picis transforms the ED, OR and ICU into highly efficient operations and helps improve patient care.

SURGICAL INFORMATION SYSTEMS

The SIS Anesthesia Solution uses unique Wizard and Drag-n-Drop charting features that allow anesthesiologists to control and reduce time spent documenting patient care. Best practices and improved patient safety are driven by use of a familiar record-layout display and access to the detailed case database. Clarity matters in anesthesia care.



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MISSION STATEMENT

The Society's mission is to improve the quality of patient care by improving technology and its application. The Society promotes education and research, collaborates with local, national, and international organizations, sponsors meetings and exhibitions, awards grants, and recognizes achievement

MEETING OBJECTIVES

- Explore the many facets of anesthesia-related technologies in use now and in the future.
- Recognize the ergonomics of the anesthesia work environment.
- Discuss how departments determine the need and access options for new technologies.
- Advance use of simulation, computers and hand held technologies for patient care, quality improvement and education.
- Define the roles of anesthesia information systems in today's healthcare climate.
- Discuss the procedures for developing, manufacturing, funding, and marketing a new technology.

CME ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Society for Technology in Anesthesia (STA) and the International Anesthesia Research Society (IARS). The IARS is accredited by the ACCME to provide continuing medical education for physicians. The IARS designates this continuing medical education as meeting the criteria for a maximum of 16.5 CME hours in Category I of the Physician's Recognition Award of the American Medical Association. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

SPEAKER AND PRESENTER DISCLOSURE STATEMENT

The International Anesthesia Research Society (IARS) adheres to ACCME standards regarding industry support of continuing medical education. Disclosure of faculty and commercial relationships, if any, will be made known at the activity. Speakers are also expected to openly disclose inclusion or discussion of any off-label, experimental, or investigational use of drugs or devices in their presentations.



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SPEAKERS AND MODERATORS

Dawn R. Applegate, PhD
RegeneMed, Inc.
San Diego, California

Keith J. Ruskin, MD
Yale University
New Haven, Connecticut

Paul H. Frisch
Memorial Sloan-Kettering Cancer Center
New York, New York

Derek Sakata, MD
University of Utah
Salt Lake City, Utah

Julian Goldman, MD
Massachusetts General Hospital
Boston, Massachusetts

Maureen A. Seckel, RN, MSN, APRN, BC, CCRN
Christiana Healthcare Systems
Newark, Delaware

Heidi Hughes
Andros
Richmond, California

Kirk Shelley, MD
Yale University
New Haven, Connecticut

Leslie C. Jameson, MD
University of Colorado at Denver
Health Sciences System
Denver, Colorado

Theodore H. Stanley, MD
University of Utah
Salt Lake City, Utah

Peter Lichtenthal, MD
University of Arizona
Tucson, Arizona

James Szocik, MD
University of Michigan
Ann Arbor, Michigan

Robert "Butch" Loeb
University of Arizona
Tucson, Arizona

Sandy Weininger, PhD, FDA
Rockville, Maryland

Michael O'Reilly, MD
University of Michigan Medical Center
Ann Arbor, Michigan

Dwayne Westenskow, PhD
University of Utah
Salt Lake City, Utah

Joseph A. Orr, PhD
University of Utah
Salt Lake City, Utah



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SPEAKER DISCLOSURE INFORMATION

The following invited speakers have voluntarily acknowledged disclosure information:

Robert "Butch" Loeb, MD - *Criticare Systems, Inc.*

Michael O'Reilly, MD - *GE Healthcare, Docusys, Inc.*

Joseph Orr, PhD - *Anecare Laboratories*

Keith J. Ruskin, MD - *Alaris A-Line, AspectBiS, Physiometrix PSA*

Derek Sakata, MD - *Anecare Laboratories*

James Szocik, MD - *GE Healthcare*

Dwayne Westenskow, MD - *Axon, GE Healthcare, Medvis, Respironics*



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Tuesday, January 17, 2006

- 12:00 – 20:00 Registration
13:00 – 18:00 Meeting of the STA Board of Directors
18:00 – 20:00 CIA Welcome Reception & Expo

Wednesday, January 18, 2006

- 8:00 – 17:00 CIA 26th Annual Meeting
14:00 – 18:00 STA Registration – continues daily 7 am – 4 pm
18:00 – 20:00 Welcome Reception in Technology Showcase Area

Thursday, January 19, 2006

- 7:00 – 7:45 Continental Breakfast in Technology Showcase Area
- 7:45 – 8:00 Opening remarks and meeting overview
- 8:00 – 10:00 Keynote Speakers
Innovation: Past, Present & Future
Kirk Shelley, Moderator
Ted Stanley
Dwayne Westenskow
- 10:00 – 11:00 Break and research poster viewing
- 11:00 – 12:00 War: Research & Development of New Technology
Dawn Applegate
- 12:15 – 13:45 STA Annual Awards and Business Luncheon
Presentation of the J. S. Gravenstein Technology Award
- 14:00 – 15:00 Information Systems: Impact on Research, Clinical & Administration
Michael O'Reilly
- 15:00 – 16:00 Enterprise Solutions for Monitoring in High Risk Areas
Kirk Shelley, Moderator
Paul H. Frisch - *Implementation of Enterprise-wide Monitoring Solutions in the Hospital*
Maureen A. Seckel - *Utilization of a Failure Mode Effects Analysis (FMEA) to Evaluate the Safety of Ventilator Patients in a Non-ICU Setting*
- 16:00 – 17:00 Committee Meetings



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Friday, January 20, 2006

- 7:00 – 8:00 Continental Breakfast
- 8:00 – 9:30 What Numbers are Needed for Clinical Care: (What is that new mystery number?)
Keith J. Ruskin - *So What's Up With Those Numbers?*
Peter Lichtenal - *Are Those Numbers Related to Real-World Processes?*
Sandy Weininger - *Who Vouches for Those Numbers?*
Butch Loeb - *Beyond Those Numbers: Picturing Physiology*
- 9:30 – 9:45 Break
- 9:45 – 11:00 Disclosure vs. Trade Secret
Heidi Hughes
- 11:00 – 12:00 Research Presentations and Selected Poster Presentations
Derek Sakata - *2004 Research Award*
- 12:00 – 12:30 Professor Rounds Posterside
- 12:30 – 13:30 Lunch on your own
- 14:00 - 18:00 Field Trips (Zoo, Carrier, Ships) – Ty Smith
- 18:00 – 22:00 N Ty Smith Dinner

Saturday, January 21, 2006

- 7:00 – 8:00 Continental Breakfast in Technology Showcase Area
- 8:00 – 8:15 Announcements
- 8:15 – 9:30 Technology Update
Robert “Butch” Loeb, Moderator - *CO2 Absorbers*
Leslie C. Jameson - *Ultrasound Devices*
Keith J. Ruskin - *Neurophysiologic Monitoring*
Joseph A. Orr - *Anesthetic Vapor Control*
- 9:30 - 10:15 Break
- 10:15 – 12:00 Technology Success Stories & How They Did It James Szocik
- 12:00 – 13:00 Lunch (posters taken down)
- 12:00 – 15:00 Plug and Play Work Group Session Julian Goldman
- 13:00 – 15:00 Round Table Workgroups
Kirk Shelley - *Pleth Research Group*
Keith J. Ruskin - *EMIT*



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POSTER TIMETABLE

Posters Put up: **Wednesday, January 18** **2:00 – 4:00 pm**
 Thursday, January 19 **before 7:00 am**

Authors will be in attendance with their posters during the following times:

Thursday, January 19 **10:00 – 11:00**

Friday, January 20 **7:00 – 8:00** **12:00 – 12:30**

Saturday, January 21 **7:00 – 8:00**

Posters taken down Saturday, January 21, 12:00 – 13:00.



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STA 2006: POSTER PRESENTATIONS

<u>Poster #</u>	<u>Abstract Title</u>	<u>Presenting Author</u>
1	Arterial Blood Gas Visualization for Critical Care Clinicians	Jim Agutter, MD
2	Central Venous Pressure Wave During Supraventricular Tachycardia	Wonsik Ahn, MD
3	Variation in Blood Pressure as a Guide to Volume Loading in Children Following Cardiopulmonary Bypass	Mark Anersmino, MBBCh, FFA
4	New Pulse Oximeter Measures Carboxyhemoglobin Levels in Human Volunteers	Steven Barker, PhD, MD
5	New Pulse Oximeter Measures Methemoglobin Levels in Human Volunteers	Steven Barker, PhD, MD
6	Volatile Anesthetic Reclamation: It's About Time (and Temperature!)	James Berry, MD
7	ATHENA: A Smart Monitoring System for OR and ICU Use	Charles Brindis, MD, MS
8	Investigation into the Use of Stereoscopic Photography to Aid Teaching of Regional Anesthesia	John Cooper, MD
9	A Proposed Taxonomy for Infusion Pump and PCA Pump Safety Hazards	D. John Doyle, MD, PhD
10	Reliability of Hypotension Detection with Noninvasive Radial Artery Beat-to-Beat versus Upper Arm Cuff BP Monitoring	Ronald Dueck, MD
11	New Approach to Anesthesia Delivery System Checkout Procedures	Jeffrey M. Feldman, MD
12	Correlation Between Simulated and Actual Intrathoracic Pressure Changes During Resistance Breathing	Brian Fuehrlein, BS
13	Using Novel Photoplethysmography Measures to Determine Intrathoracic Pressures	Brian Fuehrlein, BS
14	Compuflow® Improves Identification of the Epidural Space by Inexperienced Operators in a Simulator Model	Oscar Ghelber, MD
15	New Method to Estimate Depth of Anesthesia by EEG Fluctuation Analysis	Payman Gifani, MSc
16	Evaluation of the Installation of an Anesthesia Record Keeper (ARK) on Anesthesia Practitioners in an Academic Medical Center	Jeffery Green, MD



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17	Evaluation of the Efficiency and Ease of Use of an Anesthesia Record Keeper (ARK) by Anesthesia Practitioners in an Academic Medical Center	Jeffery Green, MD
18	Anesthetic Concentrations in Enclosed Chambers Using an Innovative Delivery Device	David Hodgson, DVM
19	Brain Oxyhemoglobin and Deoxyhemoglobin during Anesthetic Induction	William Hoffman, PhD
20	Inability to Monitor Somatosensory Evoked Potentials During Spinal Fusion in Patients with Familial Dysautonomia	Tessa K. Hunke, MD
21	The Measurement of Absolute Length of Glottic Opening (ALGO) in Comparison with POGO	Yoshinori Iwase, MD
22	Xport and WiPort™--A New Horizon for Multiple Data Acquisition Technology	Yoshinori Iwase, MD
23	Validation of a Remifentanyl-Propofol Response Surface Model for Laryngoscopy in Patients Undergoing Surgery	Ken B. Johnson, MD
24	Validation of a Remifentanyl Propofol Response Surface Model For Sedation in Patients Undergoing Surgery	Ken B. Johnson, MD
25	Anesthesia Information System Demonstrates Poor Guideline Adherence in Prescribing PONV Prophylaxis	Jasper Kal, MD, PhD
26	Using Feature Extraction to Classify Airway Status from PPG Recordings of Anesthetized Patients	Bethany Knorr, MS
27	Measurement of Autonomic Responses to Tactile and Auditory Stimulation	Joanne Lim, MASc
28	Using PPG Morphology to Detect Blood Sequestration	Stephen Linder, PhD
29	Evaluation of the LMA CTrach™ - A New System for Visualizing Endotracheal Intubation Through a Laryngeal Mask Airway	Eugene Liu, FRCA
30	Response Surface Models of Sevoflurane-Remifentanyl Synergy	Sandeep Manyam, BS
31	A Calibration Standard of Interspinous Grittiness for Haptic Epidural Simulators	W. Bosseau Murray, MD
32	Design of Supraglottic Airway Devices (SAD): A Checklist for Evaluation of Capabilities	W. Bosseau Murray, MD
33	The Beginning of the Story: Proposal for a Unique and Universally Applicable Wireless Interface System for Patient Monitoring During Transport	Terence Rafferty, MD, MBA
34	Proposal Execution 1.1: Evaluation of Physician Preferences for Monitoring During Patient Transport – Wireless Versus “Non-wireless”	Terence Rafferty, MD, MBA



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35	Proposal Execution 1.2: Modification of the Transmitter Module of a Prototype 2.4 GHz Wireless Monitoring System	Terence Rafferty, MD, MBA
36	Proposal Execution 1.3: Modification of the Receiver Module Display Screen of a Prototype 2.4 GHz Wireless Monitoring System	Terence Rafferty, MD, MBA
37	The "Analgoscore": Development of a New Pain Score and Feedback Control of Intraoperative Pain	Emile Salhab, MSc
38	The Effects of Position with Respect to the Heart on Pulse Oximetry Measurements	Allan Shang, MD
39	Signal Measurement Linearity as a Function of LED Emitter Intensity in Pulse Oximetry	Allan Shang, MD
40	The Virtual Medical Conference: A Proposal for the Use of Massively Multiplayer Online (MMO) Technology to Conduct and Experience Large Scale Scientific Meetings from Home	Kirk Shelley, MD
41	Skin Conductance as Measurement of Pain and Awakening	Hanne Storm, MD, PhD
42	Personal Digital Assistant (PDA) for Data Entry in an Automated Anesthesia Record System	Osamu Uchida, MD
43	Development of a Standard to Validate Closed Loop Control in Medical Devices	Carl F. Wallroth, PhD
44	TEE Review Questions for the Personal Digital Assistant	Cleveland Waterman, MD
45	Right Ventricular Remodeling with Acute Hypovolemia: Caudad-to-Cephalad Maximal Minor Axis Displacement	Qing-Bing Zhu, MD, PhD
46	Proposal for the New FDA Checkout Related to the Drager Apollo Anesthesia Machine (Poster Only)	Ryan Forde, MD



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ABSTRACT PRESENTER DISCLOSURE INFORMATION

The following abstract presenters have voluntarily acknowledged disclosure information:

James Agutter, M.Arch - *Applied Medical Visualizations, LLC*

Steven J. Barker, PhD, MD - *Funded Research*

James Berry, MD - *Anesthetic Gas Reclamation, LLC*

Ronald Dueck, MD - *Tensys Medical, Inc.*

Brian Fuehrlein, B.S. - *Beta Biomed Services, Inc.*

Ken B. Johnson, MD - *General Electric*

Stephen Linder, PhD - *Dartmouth College*

Terence Rafferty, MD, MBA - *Ivy Biomedical, Inc.*

Allan Shang, MD - *General Electric, GE-/Datex - Ohmeda, Phillips*

Hanne Storm, MD, PhD - *Med-Storm Innovation*

Osamu Uchida, MD - *Nihon Kohden Corporation*

Carl Wallroth, PhD - *Draeger Medical*

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GENERAL INFORMATION

The Computers In Anesthesia (CIA) is a Section of the Society for Technology in Anesthesia. The CIA facilitates an annual meeting which focuses on the use of computers in Anesthesia. It is timed to immediately follow the annual meeting of the American Society of Anesthesiologists (ASA). This year's meeting is sponsored by STA.

MEETING OBJECTIVES

- Explore the value of computing technologies in use now and in the future.
- Evaluate the role of computers on the anesthesia work environment.
- Discuss how departments determine the need and access options for new computing technologies.
- Advance use of simulation, computers and hand held technologies for patient care, quality improvement and education.
- Define the roles of anesthesia information systems in today's healthcare climate.

CME ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Society for Technology in Anesthesia (STA) and the International Anesthesia Research Society (IARS). The IARS is accredited by the ACCME to provide continuing medical education for physicians. The IARS designates this continuing medical education as meeting the criteria for a maximum of 8 CME hours in Category I of the Physician's Recognition Award of the American Medical Association. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

SPEAKER AND PRESENTER DISCLOSURE STATEMENT

The International Anesthesia Research Society (IARS) adheres to ACCME standards regarding industry support of continuing medical education. Disclosure of faculty and commercial relationships, if any, will be made known at the activity. Speakers are also expected to openly disclose inclusion or discussion of any off-label, experimental, or investigational use of drugs or devices in their presentations.

January 17-18, 2006

Tuesday, January 17, 2006

18:00 – 20:00 **Welcome Reception with AIMS Vendors**

Wednesday, January 19, 2006

7:00 – 8:00 Continental Breakfast with AIMS Vendors

8:00 – 8:15	Opening Remarks	David Feinstein
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8:15 - 8:30	Session 1 - AIMS Expo (Overview)	Jeff Feldman
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8:30 – 10:00	Session 2 - AIMS - Vendor Showcase	Michael O'Reilly, Modera
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10:00 – 10:30 **Break/Exhibits & Poster Viewing**

10:30 – 11:45 Session 3 - AIMS - User Forum 1 “Out of the Box” Chris Quartararo, Moderator

11:45 - 13:00 **Lunch/Business Meeting/Exhibits & Poster Viewing**

13:00 - 15:00 Session 4 - AIMS - User Forum 2 “Souped Up” Systems Rich Epstein, Moderator

15:00 - 15:30 **Break/Exhibits & Poster Viewing**

15:30 - 16:15 Session 5 - AIMS - Next Years' Models - Vendors John Pawlowski, Moderator

16:15 - 16:45 **AIMS Q & A Forum - Super Users Groups** **John Pawlowski, Moderator**

16:45 - 17:00	Wrap-up	David Feinstein
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CIA XXVI: an AIMS Expo!

POSTER PRESENTATIONS

<u>Poster #</u>	<u>Abstract Title</u>	<u>Presenting Author</u>
1	Web Integration of Medical Information as Basis for Development of Modern Anesthesiology	Alek Bankov, MD
2	Identification of the Epidural Space Utilizing Continuous Pressure Measurement with the Compuflow® Device	Oscar Ghelber, MD
3	1 Year Experience with First Anesthesia Wireless Local Area Network	Mohamed Rehman, MD
4	Timeliness of Documentation – Medical Legal Ramifications	Michael Vigoda, MD, MBA
5	Failure to Recognize Loss of Incoming Data while Using an Automated Anesthesia Record Keeping System Increased Medical Liability Exposure	Michael Vigoda, MD, MBA
6	Treo 650 PDA: Applications You Can't Live Without	Cleveland Waterman, MD

ABSTRACT PRESENTER DISCLOSURE INFORMATION

The following abstract presenter has voluntarily acknowledged disclosure information:

Oscar Ghelber, MD - *Milestone Scientific*