



SOCIETY FOR TECHNOLOGY IN ANESTHESIA

2026 ANNUAL MEETING

#STA26TAMPA



Crossing the Chasm

JANUARY 15-18, 2026

JW Marriott Tampa Water Street • Tampa, Florida

Offering 21.75 AMA PRA Category 1 Credits™

Program Chairs:

Hannah Lonsdale, MBChB, FRCA
Asad Siddiqui, MD, FRCPC, MMed

Introducing the

2026 Inaugural STA Travel Award!
See inside for more details.

MEETING ACCREDITATION INFORMATION

ACTIVITY OVERVIEW

The Society for Technology in Anesthesia (STA) 2026 Annual Meeting will provide a platform for anesthesia researchers to present their findings and developments in an effort to improve practices in anesthesia. Specific topics will include artificial intelligence in clinical integration, spinal anesthesia in zero-gravity, and workshops in Python, biodesign, and the FDA.

EDUCATIONAL OBJECTIVES

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

- Identify key barriers and facilitators influencing the translation of technological innovations in anesthesia, with a focus on human factors engineering and implementation science.
- Describe foundational processes for initiating technology innovations from both academic and industry perspectives.
- Summarize the regulatory landscape—including legal, economic, and US Food and Drug Administration considerations—and its impact on advancing technological innovations.
- Evaluate the potential applications of artificial intelligence to enhance clinician performance and research activities.

TARGET AUDIENCE

This live activity is designated for a national and international audience of physicians, engineers and industry members, as well as other practitioners in the field of anesthesia seeking an update on the current and future state of anesthesia technology.

STA FRIDAY TY SMITH DINNER CRUISE

Join the STA Ty Smith Dinner for Tampa's most unique dining experience aboard Craft as you're taken on a culinary and cocktail river journey through the heart of Tampa up the Hillsborough River.

Craft features the Bow & Stern Bar, built from a 1914 wooden cruiser, where the Craft-ologist will prepare amazing cocktails to complement and celebrate your dining experience. All while Craft's Captain navigates beneath many low bridges with just inches to spare on the Hillsborough River in the heart of Tampa. Your senses will be overwhelmed and the sites will make you race to snap photos from the boat's observation platforms of Tampa's most iconic views.

Each ticket includes admission to the cruise, dinner and one drink ticket. Additional \$150 fee applies to attend.

JOINT ACCREDITATION STATEMENT

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Society for Technology in Anesthesia. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Amedco Joint Accreditation #4008163. Physicians (ACCME) Credit Designation Amedco LLC designates this live activity for a maximum of 21.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

PHYSICIANS (ACCME) CREDIT DESIGNATION

Amedco LLC designates this live activity for a maximum of 21.75 *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 ONLY)

Thursday, January 15, 2026 • 0800 - 1200

Experienced anesthesiologists have developed this course for Regular and Sustaining Corporate Members who may be new to the anesthesia market, as well as those with experience. The course is designed to provide a concise overview of the specialty and an opportunity to discuss the role of technology in a collegial (non-sales) environment. The course is intended to foster one of STA's primary goals, which is to establish relationships between users and developers of technology.

This course will demonstrate the anesthesiologists' interaction with patients and devices through a dynamic, interactive agenda. The day will include expert 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. OPEN TO INDUSTRY PARTICIPANTS ONLY.

2026 INAUGURAL STA TRAVEL AWARD

The STA is proud to announce the inaugural STA Travel Award, a two-year program supporting early-career anesthesiologists and trainees who are passionate about innovation, education, and leadership in technology-driven perioperative care. Visit www.stahq.org/awards-and-grants/travel-award for more information!

SCHEDULE OF EVENTS

THURSDAY, JANUARY 15, 2026

0700-0800

Challenges & Opportunities Registration

0800-1200

Challenges & Opportunities in Developing Anesthesia Products (For Industry ONLY – Pre-Registration required)

David Feinstein, MD, MS, John Pawlowski, MD, PhD, Christopher Quartararo, MD, Nate Greenbaum, MD, MBI, John Sudkamp, MD, Adeel Faruki, MD, MBA, Charlene Blake, MD, PhD

1600-1800

Exhibitor Registration & Setup

1800-2000

Registration & Welcome Reception

FRIDAY, JANUARY 16, 2026

0700-0800

Registration & Breakfast with Exhibitors

0800-0815

Welcome Address

Clyde Matava, MBChB, MMed, MHSc, Hannah Lonsdale, MBChB, FRCA, Asad Siddiqui, MD, FRCPC, MMed

Session 1: Keynote Address

Moderator: Hannah Lonsdale, MBChB, FRCA, Asad Siddiqui, MD, FRCPC, MMed

0815-0915

Keynote Address: From Idea to Product : Top to Flop or Flop to Top?

Patrick Schoettker, MD

0915-0930

Break with Exhibitors & Abstract Posters

Session 2: Human Factors Foundations of Cognitive Aids, Decision Support, and AI

Moderator: Kim Strupp, MD

0930-0950

The Human Factors of Effective AI

Azadeh Assadi, PhD, RN, MN-NP

0950-1010

The Human Factors of Effective Cognitive Aids

Barbara Burian, PhD

1010-1030

The Human Factors of Effective Clinical Decision Support

Jason Slagle, PhD

1030-1040

Panel Discussion

1040-1100

Break with Exhibitors & Abstract Posters

Session 3: Translating AI into Practice and Publication

Moderator: Jonathan Tan, MD, MPH, MBI, FASA

1100-1120

Is AI the Answer to My Research Question?

Kelly Michaelsen, MD, PhD

1120-1140

Tips for Successful AI Publication

Allan Simpaio, MD, MBI, FAAP

1140-1200

Translating AI Models to Meaningful Clinical Integration

Theodora Wingert, MD

1200-1210

Panel Discussion

1215-1325

Industry Spotlight Luncheon

Moderator: Justin Adams, BSEE, MBA

Session 4: Starting Out in Tech

Moderator: Derek Sakata, MD

1330-1350

The Innovation Multiplier: How Adding a Trainee Can Supercharge Start-Up Success

Travis Hotchkiss, MD, MS

1350-1410

Innovation To Execution: Creating Your Own Blueprint for Success

Cynthia Tsai

1410-1430

Academic Pathways to Anesthesia Technology Development

Andrew Bishara, MD

1430-1440

Panel Discussion

1445-1525

Posters in a Minute: Moderated Poster Summaries Group A

Moderators: Frederick Kuo, MD & Karen McCarthy, EdD, MS

1525-1545

Break with Exhibitors & Abstract Posters

Session 5: Abstract Awards & Presentations

Moderator: Thomas Hemmerling, MD, MSc, DEAA

1545-1600

Excellence in Technology Award Presentation

1600-1615

Best Clinical Application Award Presentation

1615-1630

Best of Show Award Presentation

1635-1735

Speed Networking with Corporate Members

Moderator: Justin Adams, BSEE, MBA

1830-2130

Ty Smith Dinner Cruise

Offsite: Craft Tampa • *Additional Fee Applies*

SATURDAY, JANUARY 17, 2026

0700-0800

Registration & Breakfast with Exhibitors

Session 6: Legal, Economics and Regulatory

Moderator: Julia Galvez-Delgado, MD, MBI

0800-0820

Artificial Intelligence in Healthcare:

Law, Policy, and the Road Ahead

Erik Smith, MD

0820-0840

Intellectual Property & Technology Transfer Agreements

Ken Holroyd, MD

0840-0900

Regulation Impacts on Technology Development

0900-0910

Panel Discussion

Session 7: Innovation to Market – Implementation Science

Moderator: Thomas Hemmerling, MD, MSc, DEAA

0915-0935

Change Management in Technology: When Technology Isn't the Answer

Megha Kanjia, MD

0935-0955

Translating Implementation Science to Clinical Practice: Definitions, Examples and Lessons Learned

Monica Vavilala, MD

SCHEDULE OF EVENTS *CONTINUED*

0955-1015

Change Management in Healthcare Systems
Samir Kendale, MD

1015-1025

Panel Discussion

1025-1100

Break with Exhibitors & Abstract Posters

Session 8: Innovation Showcase

Moderator: Barrett Larson, MD

1100-1210

Join STA for an exciting, fast-paced innovation showcase! Three anesthesia technology startups will pitch their innovations to the audience. Attendees will have the opportunity to ask questions and vote for the winner using real-time polling software. Don't miss this chance to see the future of anesthesia technology and help choose the next big breakthrough!

1215-1355

STA Business Luncheon & 2026 J.S. Gravenstein Award Presentation

Clyde Matava, MBChB, MMed, MHSc & Julian Goldman, MD

1400-1430

Posters in a Minute: Moderated Poster Summaries Group B
Moderators: Frederick Kuo, MD & Karen McCarthy, EdD, MS

Session 9: Research Grant Presentation

Moderator: Thomas Hemmerling, MD, MSc, DEAA

1435-1505

2025 STA Research Grant Recipient: Behaviour of Spinal Anesthesia in Zero-Gravity

Matthew Turnock, MSS, MSc, MD, FRCPC, FAWM

1505-1530

Break with Abstract Posters

Session 10: Concurrent Workshops and Seminar

1530-1700

Hands-on Intro to Coding with Python
Sean Jeffries, MSc

1530-1730

Biodesign
Barrett Larsen, MD; James Xie, MD; Michael Chen, MD

1530-1730

FDA Pre-Submission Towards Enabling Market Clearance of Controllable Infusion Pumps for Automated Closed Loop IV Anesthesia
Julian Goldman, MD

SUNDAY, JANUARY 18, 2025

0730-0815

Registration & Continental Breakfast

0815-1000

STA Engineering Challenge
Moderator: Jeff Mandel, MD, MS

1000-1020

Break with Abstract Posters

Session 11: Power Talks

Moderator: James Xie, MD

1020-1120

Join STA in welcoming our students, residents, fellows, and early-career researchers and clinicians who are ready to share fresh ideas and spark conversation! These fast paced ten-minute Power Talks are back for the STA 2026 Annual Meeting.
Maddy Givens, Ronald Harris, MD, MMCI, Kelly Michaelson, MD, PhD, John Pearson, MD, Caitlin Smith, MS

1120

Meeting Adjourned

INVITED FACULTY

Justin Adams, BSEE, MBA

*Azadeh Assadi, PhD, RN, MN-NP
Hospital for Sick Kids*

*Andrew Bishara, MD
University of California,
San Francisco*

*Charlene Blake, MD, PhD
University of California,
San Francisco*

*Barbara Burian, PhD
NASA (retired)*

*Michael Chen, MD
Stanford University*

*Adeel Faruki, MD, MBA
University of Texas MD
Anderson Cancer Center*

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

*Julia Galvez-Delgado, MD, MBI
Boston Children's Hospital*

*Madison Givens
Vanderbilt University*

*Julian Goldman, MD
Massachusetts General Hospital*

*Nate Greenbaum, MD, MBI
Harvard Medical School*

*Ronald Harris, MD, MMCI
St. Joseph's Hospital*

*Thomas Hemmerling, MD,
MSc, DEAA
McGill University*

*Ken Holroyd, MD
Vanderbilt University
Medical Center*

*Travis Hotchkiss, MD, MS
St. Joseph's Hospital, BayCare*

*Sean Jeffries, MSc
Montreal General Hospital*

*Megha Kanjia, MD
Texas Children's Hospital*

*Samir Kendale, MD
Beth Israel Deaconess Medical Center*

*Frederick Kuo, MD
Johns Hopkins All Childrens Hospital*

*Barrett Larson, MD
Stanford University*

*Hannah Lonsdale, MBChB, FRCA
Vanderbilt University*

*Jeff Mandel, MD, MS
Mandel Anesthesia Innovations, LLC*

*Clyde Matava, MBChB,
MMed, MHSc
Hospital for Sick Children*

*Karen McCarthy, EdD, MS
Vanderbilt University*

*Kelly Michaelson, MD, PhD
University of Washington*

*John Pawlowski, MD, PhD
Beth Israel Deaconess Medical Center*

*John Pearson, MD
University of Utah School of Medicine*

*Christopher Quartararo, MD
Winchester Anesthesia Associates*

*Derek Sakata, MD
University of Utah*

*Patrick Schoettker, MD
Lausanne University Hospital*

*Asad Siddiqui, MD, FRCPC, MMed
Hospital for Sick Children*

*Allan Simpao, MD, MBI, FAAP
Children's Hospital of Philadelphia*

*Jason Slagle, PhD
Vanderbilt University
Medical Center*

*Caitlin Smith, MS
University of Alabama at
Birmingham*

*Erik Smith, MD
Children's Hospital Los Angeles*

*Kim Strupp, MD
University of Colorado
Children's Hospital Colorado*

*John Sudkamp, MD
St. Anthony's Memorial Hospital*

*Jonathan Tan, MD, MPH,
MBI, FASA
Children's Hospital of Philadelphia*

*Cynthia Tsai
Healthquest*

*Matthew Turnock, MSS, MSc,
MD, FRCPC, FAWM
University of Toronto*

*Theodora Wingert, MD
University of California, Los Angeles*

*Monica Vavilala, MD
University of Washington*

*James Xie, MD
Stanford University*

MEETING REGISTRATION INFORMATION

ONLINE REGISTRATION WWW.STAHQ.ORG

Online registration accepted until Wednesday, January 8, 2026 – limited onsite registration is available.

MAIL OR FAX REGISTRATION FORM

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

*FIRST NAME: *LAST NAME:

*CREDENTIAL(S):

*COMPANY/INSTITUTIONAL AFFILIATION:

*ADDRESS:

*CITY: *STATE/PROVINCE: *ZIP: *COUNTRY:

*PHONE:

*EMAIL ADDRESS:

Special Needs: ☐ Hearing Impaired ☐ Sight Impaired ☐ Other:
☐ Dietary (Please Specify)

REGISTRATION FEES

Registration fee includes course materials, 3 continental breakfasts, 2 lunches and 1 cocktail reception.

Early Bird by 11/15/25

- ☐ STA Member Registration (*membership dues must be paid for 2026*)..... \$700
☐ STA Lifetime Member Registration (*for STA Life Members who want to contribute extra to the Society*)..... \$850
☐ *Non-Member Registration..... \$850
☐ Trainee Registration (Student/Resident/Fellow) Registration \$250

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

Before 12/31/25

\$725

After 12/31/25

\$750

\$875

\$900

\$875

\$900

\$250

\$250

A LA CARTE ITEMS

- ☐ Additional Thursday Reception Event Ticket..... \$50
☐ Spouse/Guest Registration..... \$325
☐ 2026 Membership Dues Renewal..... \$150
☐ Ty Smith Dinner Cruise \$150
☐ Ty Smith Dinner Cruise Guest..... \$150
☐ Lifetime Member Status \$1,500

**PAYMENT MUST ACCOMPANY
REGISTRATION**

SUBTOTAL:

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 Registration

By Fax or Mail

(SEE CONTACT INFORMATION BELOW)

If you are unable to register online please fax or mail your paper registration form. STA cannot accept credit card information by email.

Onsite Registration

Online registration accepted until January 8, 2026. After January 8th 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 January 8th, 2026 will be completely refunded less an administrative fee of \$25. **NO REFUNDS WILL BE MADE AFTER JANUARY 1, 2026.**

Questions? Contact Us:

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OFFICE: 414-389-8600
FAX: 414-755-1346

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.



Society for
Technology in
Anesthesia

Advancing Technology Through Education & Innovation

2026 ANNUAL MEETING

JANUARY 15-18, 2026

#STA26TAMPA

RESERVATION PHONE: 813-221-4950 • ROOM RATE: \$359/NIGHT

RESERVATION DEADLINE: DECEMBER 15, 2025

VISIT WWW.STAHQ.ORG TO BOOK YOUR HOTEL
ACCOMMODATIONS ONLINE!

JW MARRIOTT TAMPA WATER STREET
510 WATER ST, TAMPA, FL 33602

PROGRAM CHAIRS:

HANNAH LONSDALE, MBCHB, FRCA

ASAD SIDDIQUI, MD, FRCPC, MMED

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