

Advanced Surgical Technologies and Robotics 2025
Omni Amelia Island Resort
Amelia Island, Florida
April 3-5, 2025
<i>All Presentations Eastern Time</i>

Thursday, April 3, 2025	
7:00 AM	Registration and Breakfast
7:50 AM	Welcome Introductions Mathew Thomas, M.B.B.S., M.D., Mayo Clinic Florida
8:00 AM	Role of Robotics in Acute Care Surgery Ben R. Veenstra, M.D., Mayo Clinic Florida
8:15 AM	Q&A Session
8:20 AM	Advancements in Robot-assisted Hernia Surgery Michael A. Edwards, M.D., Mayo Clinic Florida
8:35 AM	Q&A Session
8:40 AM	Robot-assisted Mastectomy James W. Jakub, M.D., Mayo Clinic Florida
8:55 AM	Q&A Session
9:00 AM	Robot-assisted Thoracic Surgery - Have We Reached the Limit? Staci E. Beamer, M.D., Mayo Clinic Arizona
9:15 AM	Q&A Session
9:20 AM	Video-Based Assessment of Surgical Skills using Artificial Intelligence Suvranu De, Ph.D., FAMU-FSU College of Engineering, Florida
9:50 AM	Q&A Session
10:00 AM	Coffee Break and Exhibits
10:20 AM	Orthopedic Robot-Assisted Surgery - Defining Value Cameron K. Ledford, M.D., Mayo Clinic Florida
10:35 AM	Q&A Session
10:40 AM	Robot-assisted Surgery for Deep Infiltrating Endometriosis Aakriti R. Carrubba, M.D., Mayo Clinic Florida
10:55 AM	Q&A Session
11:00 AM	TransOral Robotic Surgery - Do's and Don't's Samip Patel, M.D., Mayo Clinic Florida
11:15 AM	Q&A Session
11:20 AM	Robot-assisted Spine Surgery - Why I Do It Selby G. Chen, M.D., Mayo Clinic Florida
11:35 AM	Q&A Session
11:40 AM	The Future of Surgery

	Fernando F. Elli, M.D., Mayo Clinic Florida
11:55 AM	Q&A Session
12:00 PM	Robotic Mitral Valve Surgery - From Good to Great Arman Arghami, M.D., M.P.H., Mayo Clinic Rochester
12:15 PM	Q&A Session
12:20 PM	Lunch
1:20 PM	Updates in Endoluminal Robotics Vivek Kumbhari, M.B., Ch.B., Ph.D., Mayo Clinic Florida
1:35 PM	Q&A Session
1:40 PM	Beyond diagnosis - Robotic Bronchoscopy in the Treatment of Lung Tumors Sebastian Fernandez-Bussy, M.D., Mayo Clinic Florida
1:55 PM	Q&A Session
2:00 PM	Why I Changed My Perspective and Adopted Robotic Surgery Luca Stocchi, M.D., Mayo Clinic Florida
2:15 PM	Q&A Session
2:20 PM	Pathology in the Era of Digital Imaging and Artificial Intelligence Andrew P. Norgan, M.D., Ph.D., Mayo Clinic Rochester
2:40 PM	Q&A Session
2:45 PM	ADJOURN – End of Day 1
6:00 PM	Welcome Reception, Poster Session and Networking
	ADJOURN – End of Day 1
Friday, April 4, 2025	
7:00 AM	Registration and Breakfast
7:50 AM	Welcome Introductions
8:00 AM	Developing a Robotic Surgery Training Curriculum Michelle F. DeLeon, M.D., Mayo Clinic Florida
8:15 AM	Q&A Session
8:20 AM	Ergonomics of robotic surgery and surgeon wellness Raymond W. Pak, M.D., M.B.A., Mayo Clinic Florida
8:35 AM	Q&A Session
8:40 AM	Surgical Research in the Era of Space Travel Alfredo Quinones-Hinojosa, M.D., Mayo Clinic Florida
9:10 AM	Q&A Session
9:20 AM	Holoportation and Digital Surgeon Avatars in Neurosurgery Giselle Coelho, M.D., Ph.D., Mayo Clinic Florida
9:35 AM	Q&A Session
9:40 AM	Coffee Break and Exhibits
10:00 AM	Nanorobotics - Small Steps for Big Cures Hakan Ceylan, Ph.D., Mayo Clinic Arizona
10:15 AM	Q&A Session
10:20 AM	Artificial Intelligence in Orthopedic Surgery Speaker TBA
10:35 AM	Q&A Session

10:40 AM	Immersive Realities for Chest Wall Surgery Mathew Thomas, M.B.B.S., M.D., Mayo Clinic Florida
10:55 AM	Q&A Session
11:00 AM	Robot-assisted Surgical Management of Complicated Diverticulitis David W. Larson, M.D., M.B.A., Mayo Clinic Rochester
11:15 AM	Q&A Session
11:20 AM	ExVivo Perfusion in Kidney Transplantation Kris P. Croome, M.D., Mayo Clinic Florida
11:35 AM	Q&A Session
11:40 AM	ExVivo Perfusion in Cardiac Transplantation Basar Sareyyupoglu, M.D., Mayo Clinic Florida
11:55 AM	Q&A Session
12:00 PM	ExVivo Perfusion in Lung Transplantation Jorge M. Mallea, M.D., Mayo Clinic Florida
12:15 PM	Q&A Session
12:20 PM	Lunch
1:20 PM	Robotic vs Open Whipple – Pros and Cons John A. Stauffer, M.D., Mayo Clinic Florida
1:35 PM	Q&A Session
1:40 PM	Robotic Kidney Transplant, Programmatic Development and Early Experience Michelle C. Nguyen, M.D., Mayo Clinic Arizona
1:55 PM	Q&A Session
2:00 PM	Current Technological Advancements in Anesthesiology Hong Liang, D.O., Mayo Clinic Florida
2:15 PM	Q&A Session
2:20 PM	Abstract Session
2:40 PM	ADJOURN – End of Day 2
6:00 PM	Sunset Reception and Games
Saturday, April 5, 2025	
7:00 AM	Registration and Breakfast
7:50 AM	Welcome Introductions
8:00 AM	Simulation, Telemedicine, Robotics, and eXperimental (STR-X) Fellowship William D. Freeman, M.D., Mayo Clinic Florida
8:15 AM	Q&A Session
8:20 AM	Space Med I - Space Health Monitoring Technology Michael F. Harrison, M.D., Ph.D., Mayo Clinic Florida
8:35 AM	Q&A Session
8:40 AM	Space Med II - Stem Cell Research in Space Abba C. Zubair, M.D., Ph.D., Mayo Clinic Florida
8:55 AM	Q&A Session
9:00 AM	Robotic Surgery in Space Dmitry Oleynikov, M.D., FACS, RWJ Barnabas Health
9:30 AM	Q&A Session

9:40 AM	Coffee Break and Exhibits
10:00 AM	Robot-assisted Lymphedema Surgery Alanna M. Rebecca, M.D., Mayo Clinic Arizona
10:15 AM	Q&A Session
10:20 AM	Histosonics in Management of Liver Tumors Gregory Frey, M.D., M.P.H., Mayo Clinic Florida
10:35 AM	Q&A Session
10:40 AM	Latest Advances in Medical 3D printing Robert A. Pooley, Ph.D., Mayo Clinic Florida
10:55 AM	Q&A Session
11:00 AM	Regenerative Therapeutics Deanna C. Menapace, M.D., Mayo Clinic Florida
11:15 AM	Q&A Session
11:20 AM	Panel: How I Use Advanced Technology to Optimize Surgical Education In the OR Ram A. Pathak, M.D., Mayo Clinic Florida John A. Occhino, M.D., M.S., Mayo Clinic Rochester
11:55 AM	Q&A Session
12:00 PM	Closing Remarks
12:20 PM	ADJOURN – End of Day 3