

SURGICAL TECHNOLOGY AND ROBOTICS SUMMIT (STaRS 2026)

OCTOBER 26-30, 2026 | THE BOOKOUT CENTER
The Bookout Center - *The Home of Embodied Surgical Intelligence*

MONDAY | OCTOBER 26

From Surgical AI to Embodied Surgical Intelligence

Artificial Intelligence · Computer Vision · Robotics · Autonomy
CLINICAL FOCUS: CARDIOVASCULAR SURGERY

TIME	PROGRAM	PARTICIPANT(S)	LOCATION
7:30-8:00 a.m.	Registration, Breakfast & Networking		RI 2nd Floor Boardroom
8:00-8:25 a.m.	Building the Resident Vascular Robotics Program <i>20 min presentation + 5 min Q&A</i>	Alan Lumsden · Charu Bavare	RI 2nd Floor Boardroom
8:25-8:50 a.m.	Vascular Robotics Research at The Bookout Center: From Research to Training <i>20 min presentation + 5 min Q&A</i>	Estela Abich	RI 2nd Floor Boardroom
8:50-9:15 a.m.	Research Spotlight: Inside the STaRS Cardiovascular Robotics Experiments <i>20 min presentation + 5 min Q&A</i>	Dora Zatyko	RI 2nd Floor Boardroom
9:15-9:25 a.m.	Break		
9:25-10:25 a.m.	RESEARCH & ENGINEERING TRACK — Featured Keynote <u>Agents and Digital Twins for Physical AI in Healthcare</u> <i>45 min presentation + 15 min Q&A</i>	Mathias Unberath	RI 2nd Floor Boardroom
10:25-10:30 a.m.	Break		
10:30-11:30 a.m.	RESEARCH & ENGINEERING TRACK — Featured Keynote <u>Datasets and Foundation Models for Healthcare Robotics</u> <i>45 min presentation + 15 min Q&A</i>	Sean Huver	RI 2nd Floor Boardroom
11:30 a.m.-4:00 p.m.	HANDS-ON ROBOTIC WORKSHOP — INVITE ONLY Cardiovascular robotic surgery using da Vinci Xi, da Vinci V & CMR Versius System <i>STaRS ENGINEER TRACK — INVITE ONLY: Select cohort of up to 15 engineers observing hands-on workshop activities.</i>		MITIE @ The Bookout Center
11:30 a.m.-12:30 p.m.	Lunch & Networking		The Bookout Center
1:00-2:30 p.m.	Tours / Research Collaboration / Technology Engagement	Homer Quintana	The Bookout Center
2:00-3:30 p.m.	STaRS LIVE — The Future of Embodied Surgical Intelligence	Alan Lumsden · Mathias Unberath · Sean Huver · Farshid Alambeigi	Video Production Studio + Live Stream

TUESDAY | OCTOBER 27

Reimagining Minimally Invasive Surgery

Robotics · Micro robotics · Immersive Technology

CLINICAL FOCUS: OB/GYN

TIME	PROGRAM	PARTICIPANT(S)	LOCATION
7:00-7:30 a.m.	Breakfast & Arrival		RI 2nd Floor Auditorium
7:30-8:30 a.m.	CLINICAL SPECIALTY PROGRAM — SESSION 1 <i>Welcome Remarks, Innovations in Benign Gynecology & Urogynecology</i> 7:30-7:45 Use of Imaging to Optimize Surgical Management of Fibroids 7:45-8:00 V-NOTES: Incisionless Gynecologic Surgery 8:00-8:15 Preparing for Success: Preoperative Assessment and Planning in Endometriosis Surgery 8:15-8:30 Q&A	Anuj Suri Julie Gutierrez Sarah Rozycki Olivia Dziadek All presenters	RI 2nd Floor Auditorium
8:30-9:30 a.m.	SESSION 2 — Robotic Videos of Interesting/Challenging Cases 8:00-8:20 Video Pt. 1 8:20-8:40 Video Pt. 2 8:40-9:00 Video Pt. 3	Julie Gutierrez Sarah Rozycki Olivia Dziadek	RI 2nd Floor Auditorium
9:00-9:30 a.m.	Break		
9:30-10:45 a.m.	SESSION 3 — Future Innovations & Directions of Robotic Surgery 9:30-9:50 AI in Robotic Gynecology Surgery: What's Here & What's Next 9:50-10:10 Future of Tele-Surgery: Advantages & Pitfalls 10:10-10:30 Overview of Newer Robotic Platforms 10:30-10:45 Q&A	Behrouz Zand Anuj Suri Alwyn Mathew · Abigail Bagdasaryants All presenters	RI 2nd Floor Auditorium
10:45-11:00 a.m.	Lunch Pickup / Transition		RI 2nd Floor Auditorium
11:00 a.m.-Noon	RESEARCH & ENGINEERING TRACK — Featured Keynote <u>Future Directions of Robotic Surgery: Interventional, Ingestible, Injectable, Implanted Robotic Devices (I⁴RoD)</u> 45 min presentation + 15 min Q&A	Arianna Menciassi	RI 2nd Floor Auditorium
Noon-3:00 p.m.	HANDS-ON ROBOTIC WORKSHOP — INVITE ONLY <i>OB/GYN robotic surgery featuring da Vinci 5, CMR Versius & V-NOTES simulation</i> STaRS ENGINEER TRACK — INVITE ONLY: Select cohort of up to 15 engineers observing hands-on workshop activities.	Anuj Suri · Elise Yates · Pedro Ramirez	MITIE @ The Bookout Center
Noon-12:05 pm	Introduction	Stuart Corr	RI 2nd Floor Boardroom
12:05-1:00 p.m.	IMMERSIVE TECHNOLOGIES IN HEALTH — Featured Keynote <u>Spatial computing for orthopedic surgery</u> 45 min presentation + 10 min Q&A	Siddarth Satish	RI 2nd Floor Boardroom
1:00-1:30 p.m.	IMMERSIVE TECHNOLOGIES IN HEALTH — Featured Talk <u>Spatial Computing in the OR: Use of the Apple Vision Pro as a Head-Mounted Virtual Monitor</u> 25 min presentation + 5 min Q&A	Patrick Reardon	RI 2nd Floor Boardroom
1:30-2:00 p.m.	IMMERSIVE TECHNOLOGIES IN HEALTH — Featured Talk <u>Beyond the Headset: From Clinical Need to Immersive Care</u> 25 min presentation + 5 min Q&A	Hina Faisal	RI 2nd Floor Boardroom
2:00-2:15 p.m.	Break		
2:15-2:45 p.m.	IMMERSIVE TECHNOLOGIES IN HEALTH — Featured Talk <u>Spatializing Healthcare through Volumetric Media Pipelines: 3D Sensing, Streaming, and Replay</u> 25 min presentation + 5 min Q&A	Robert LiKamwa	RI 2nd Floor Boardroom
2:45-3:15 p.m.	IMMERSIVE TECHNOLOGIES IN HEALTH — Featured Talk <u>In-House XR Applications & Capabilities at the Bookout Center</u> 25 min presentation + 5 min Q&A	Austin Shelton	RI 2nd Floor Boardroom
3:15-3:30 p.m.	Break / Transition to Studio		
3:45-4:45 p.m.	STaRS LIVE — Immersive Technology in Healthcare: From Innovation to Implementation 40 min discussion	Moderator: Floris van der Breggen Patrick Reardon · Dave Aten · Martin McMahon	Video Production Studio + Live Stream
5:00-6:00 p.m.	STaRS ROUND TABLE— The Future of Robotic Gynecologic Surgery: From New Platforms to New Possibilities	Anuj Suri + invited OB/GYN faculty	Video Production Studio

WEDNESDAY | OCTOBER 28

Engineering the Intelligent Surgical Environment

Medical Imaging · Computer-Assisted Intervention · Augmented Reality · Surgical Robotics

CLINICAL FOCUS: GENERAL SURGERY

TIME	PROGRAM	PARTICIPANT(S)	LOCATION
8:00-9:00 a.m.	FEATURED GRAND ROUNDS <u>Dyadic Partnership: A Missing Link Towards Autonomy in Medical Robotics</u> 45 min presentation + 15 min Q&A	Nassir Navab	RI 2nd Floor Auditorium
9:00 a.m. -4:00 p.m.	HANDS-ON ROBOTIC WORKSHOP — INVITE ONLY General Surgery Robotic Workshop featuring da Vinci 5 & CMR Versius <i>STaRS ENGINEER TRACK — INVITE ONLY: Select cohort of up to 15 engineers observing hands-on workshop activities.</i>	General Surgery faculty & residents	MITIE @ The Bookout Center — RI5
9:00-9:10 a.m.	Coffee / Transition		
9:10-9:15 a.m.	Introduction	Farshid Alambeigi	RI 2nd Floor Boardroom
9:15-10:00 a.m.	RESEARCH & ENGINEERING TRACK — Featured Talk <u>Perioperative Data Science: Models, Implementation, & Impact</u> 35 min presentation + 10 min Q&A	Jeffrey Siewerdsen	RI 2nd Floor Boardroom
10:00-10:10 a.m.	Break		
10:10-10:55 a.m.	RESEARCH & ENGINEERING TRACK — Featured Talk <u>Guiding with touch: Assessing and Assisting Surgical Performance</u> 35 min presentation + 10 min Q&A	Marcia O'Malley	RI 2nd Floor Boardroom
10:55-11:00 a.m.	Break		
11:00 a.m.-12:00 p.m.	RESEARCH & ENGINEERING TRACK — Featured Keynote <u>TBD</u> 45 min presentation + 15 min Q&A	Robert Webster, III	RI 2nd Floor Boardroom
12:00-1:00 p.m.	Lunch & Networking		RI 2nd Floor Boardroom
1:00-2:30 p.m.	Tours / Research Collaboration / Technology Engagement	Homer Quintana	The Bookout Center
12:45–1:45 p.m.	STaRS Round Table — Translational Innovation From Clinical Need to Company: How Surgical Innovation Reaches the Patient 30 min discussion	TBD (Moderator) · Robert Webster	Video Production Studios (Round Table)
1:45-2:45 p.m.	STaRS LIVE — Engineering the Future of Embodied Surgical Intelligence 40 min discussion	Moderator: Farshid Alambeigi · Nassir Navab · Jeffrey Siewerdsen · Arianna Menciassi	Video Production Studio + Live Stream
4:15-5:15 p.m.	STaRS Round Table — General Surgery Training the Next Generation of Robotic Surgeons 40 min discussion	Dr. Ali · Dr. Martinez · Senior Resident · Junior Resident	Video Production Studios (Round Table)

THURSDAY | OCTOBER 29

Expanding the Frontiers of Robotic Intervention

Medical Robotics · Image Guidance · Endovascular & Endoluminal Intervention · Surgical Innovation

CLINICAL FOCUS: PLASTIC & RECONSTRUCTIVE SURGERY

TIME	PROGRAM	PARTICIPANT(S)	LOCATION
8:00 a.m.-4:00 p.m.	HANDS-ON ROBOTIC WORKSHOP — INVITE ONLY Plastic & Reconstructive Surgery Robotic Workshop <i>STaRS ENGINEER TRACK — INVITE ONLY: Select cohort of up to 15 engineers observing hands-on workshop activities.</i>	Matthew Kaufman + participants	MITIE @ The Bookout Center
8:00-9:00 a.m.	Breakfast & Arrival		RI 2nd Floor Boardroom
9:10-9:15 a.m.	Introduction	Farshid Alambeigi	RI 2nd Floor Boardroom
9:15-10:00 a.m.	RESEARCH & ENGINEERING TRACK — Featured Talk <u>Endovascular Robotics in the Era of Surgical Intelligence</u> 35 min presentation + 10 min Q&A	Alan Lumsden	RI 2nd Floor Boardroom
10:00-10:10 a.m.	Break		RI 2nd Floor Boardroom
10:10-10:55 a.m.	RESEARCH & ENGINEERING TRACK — Featured Talk <u>Surgical Robotics, Autonomy & the Future of Robotic Intervention</u> 35 min presentation + 10 min Q&A	Farshid Alambeigi	RI 2nd Floor Boardroom
10:55-11:00 a.m.	Break		RI 2nd Floor Boardroom
11:00 a.m.-Noon	RESEARCH & ENGINEERING TRACK — Featured Keynote <u>Physical AI: The Next Frontier in Autonomous Endovascular Interventions</u> 45 min presentation + 15 min Q&A	Jaydev Desai	RI 2nd Floor Boardroom
12:00-1:00 p.m.	Lunch & Networking		RI 2nd Floor Boardroom
1:00-2:30 p.m.	Tours / Research Collaboration / Technology Engagement	Homer Quintana	The Bookout Center
4:00 pm	Conclusion of Programming		

FRIDAY | OCTOBER 30

Building the Future of Healthcare Technology

Multidisciplinary Innovation · Engineering Medicine · Translation · Collaboration

CLINICAL FOCUS: INTERVENTIONAL PULMONOLOGY & LUNG TRANSPLANTATION

TIME	PROGRAM	PARTICIPANT(S)	LOCATION
7:30-8:00 a.m.	Breakfast & Arrival		RI 2nd Floor Boardroom
8:00-8:10 a.m.	Introduction	Alan Lumsden	RI 2nd Floor Boardroom
8:10-9:00 a.m.	CLINICAL SPECIALITY PROGRAM - Robotics Across the Lung Care Continuum From Interventional Pulmonology to Lung Transplantation <i>40 min panel discussion + 10 min Q&A</i>	Alan Lumsden (moderator), Ray Chihara, Tarek Dammad	RI 2nd Floor Boardroom
9:00 a.m.-4:00 p.m.	HANDS-ON ROBOTIC WORKSHOP — INVITE ONLY Interventional Pulmonology & Robotic Lung Transplant Workshop — Intuitive da Vinci Xi · J&J Monarch · Noah Medical Galaxy <i>STaRS ENGINEER TRACK — INVITE ONLY: Select cohort of up to 15 engineers observing hands-on workshop activities.</i>	Tarek Dammad · Ray Chihara + participants	MITIE @ The Bookout Center
9:00-9:10 a.m.	Break		
9:10-9:35 a.m.	RESEARCH & ENGINEERING TRACK — Digital Health Institute: Vision, Partnership & Opportunity <i>20 min presentation + 5 min Q&A</i>	Pothik Chatterjee	RI 2nd Floor Boardroom
9:35-10:00 a.m.	RESEARCH & ENGINEERING TRACK — Digital Health Institute: Research & Technology in Action <i>20 min presentation + 5 min Q&A</i>	Ashok Veeraraghavan	RI 2nd Floor Boardroom
10:00-10:15 a.m.	Break		RI 2nd Floor Boardroom
10:15-10:40 a.m.	RESEARCH & ENGINEERING TRACK — Engineering Medicine: Building the Next Generation of Healthcare Innovators <i>20 min presentation + 5 min Q&A</i>	Lance Black, EnMED	RI 2nd Floor Boardroom
10:40-11:05 a.m.	RESEARCH & ENGINEERING TRACK — Engineering Medicine: Research & Translation in Action <i>20 min presentation + 5 min Q&A</i>	Maham Rahimi	RI 2nd Floor Boardroom
11:05-11:30 a.m.	RESEARCH & ENGINEERING TRACK — The Ken Kennedy Institute <i>20 min presentation + 5 min Q&A</i>	David Pynadath	RI 2nd Floor Boardroom
11:30-1:00 p.m.	Lunch & Networking		RI 2nd Floor Boardroom
1:00-2:30 p.m.	Tours / Research Collaboration / Technology Engagement	Homer Quintana	The Bookout Center
12:15-1:30 p.m.	STaRS LIVE — CLOSING CONVERSATION Building & Leading Multidisciplinary Healthcare Technology Centers <i>40 min discussion</i>	Moderator: Stuart Corr · Pothik Chatterjee · Lance Black	Video Production Studio + Live Stream
4:00 p.m.	Conclusion of Programming & STaRS 2026		