

JULY 26th, 2026, 7:30 AM -12:30 PM

**THE FUTURE OF SURGERY: SURGICAL DATA ANALYTICS, ADVANCED IMAGING AND
INCISIONLESS SURGERY**

7:30 Welcome: S Ross and M Martino

8:00-9:00am Digital OR: Data Collection and Analytics and Cybersecurity

Chair: N Haram and O Alkalaa

Panel: M Toloui, C Pugh, J Redan, M Martino, M Slack

Industry? *Panel: Medtronic, Johnson & Johnson, Intuitive Surgical, Proximie, Medbot, Medcrypt, CMR*

8:00 What is a Digital O.R. Today and What It Could Become- **TBD** (5 min)

8:05 Platform Owners: System Manufacturer Perspective- **TBD** (15 min)

8:20 Digital O.R. Enablers- - **TBD** (15 min)

8:35 Panel Discussion

9:00-10:00am Advanced Intra-Operative Digital and Molecular Imaging

Chair: M McDonald, R Leveillee and A Siddiqui

Panel: On Target, Vergent Bio, Activ Surgical, Stryker, Hypervision, Intuitive Surgical, SurgAR Surgical

Presentations TBD

10:00-11:30am Incisionless Surgery: Exciting New Technologies

Chair: M McDonald, E Parra Davila and Victoria Bird

Panel: R Leveillee, M Blue, M Ferre, P Chopra, B Templin, P Khosravi PhD, M Azizian, M Fingerle, I Hodgdon MD

Introduction: A Surgical Paradigm Shift: From Open Surgery to Incisionless Precision- Michael McDonald

10:00 A Surgical Paradigm Shift: From Open Surgery to Incisionless Precision-*M McDonald* (7min)

10:07 Petal Surgical: Making Healing Human: Reimagining the Surgical Standard of Care at its Core - *P Chopra, CEO* (7 min)

10:14 Procept Bio-Robotics: HYDROS: Robotic automated surgery using AI-read imaging and the future direction of surgical capabilities - *B Templin, CTO EVP* (7 min)

10:21 University of Central Florida: AI in Incisionless Surgery and Next Generation Medical Imaging: From Prediction to Precision - *P Khosravi PhD* (7 min)

10:28 NVIDIA Real-time Physics Informed Learning for Patient Adaptive Ultrasound in Therapy- *W Simson* (7 min)

- 10:35 Louisiana State University: Obstacles and Advances in Remote Deep Space Surgery- *I Hodgdon, MD (7 min)*
- 10:42 Profound Medical: Incisionless Precision: Imaging, AI and the Rise of Robotic Autonomy in TULSA-PRO- *Y M Hong, MD (7 min)*
- 10:49 SurgAR: Transforming Gynecology and Urology with Augmented Reality – *N Bourdel (7 min)*
- 10:56 Brainlab: Ultrasound Based Registration: Real-time Intraoperative Imaging for Soft Tissue Navigation: *M Fingerle (7 min)*
- 11:03 Insightec: The Future of Brain Health- *M Ferré, CEO (7 min)*
- 11:10 Histotonics: Developing the Future of Non-Invasive Surgery- *M Blue (7 min)*
- 11:17 Discussion (13 min)

11:30am-12:30pm The Future of Digital Surgery: A.I., Humanoids and Automation

Chair: D Niewolny, M Roche, V Patel

Panel: J Chen, A Fernando, A Hung, D Harcombe

- 11:30 A Vision for the Future of the Surgery Ecosystem- NVIDIA: *D Niewolny (15 min)*
- 11:45 Humanoid Robotic Systems: *M Roche (15 min)*
- 12:00 Automation of Robotic Surgery: *J Chen (15 min)*
- 12:15 Panel Discussion (15 min)

12:30 Lunch