

# PLENARY II

THE FUTURE OF SURGERY



SRS 2023  
ANNUAL MEETING

Plenary Chairs: *Dr. Richard Satava, Dr. Andrew Hung, Dr. Sharona Ross, and Dr. Vipul Patel*

MONDAY, JULY 24, 2023

Australian Eastern Standard Time (AEST)

2:00 PM

SRS President Welcome and Introduction *Dr. Martin Martino and Dr. Sharona Ross*

## SESSION I: The Future of Surgery: Robotics, Surgical AI and Advanced Imaging

Moderators: *Dr. Andrew Hung, Dr. Richard Satava, and Dr. Zhang Xu*

Panelists: *Dr. Daniel Hawkins (Avail), Dr. Sharona Ross, Dr. Frederic Moll, Brian Miller (Intuitive Surgical), Caitlin Clark (Stryker), Adam Sachs (Vicarious Surgical), and Dr. Peter Schulam*

2:05 PM - 2:20 PM

### STATE OF THE ART LECTURE

How Artificial Intelligence will Enhance Surgery

*Dr. Andrew Hung*

2:20 PM - 2:35 PM

Advanced Image Guidance in Surgery *Dr. Jacques Marescaux*

2:35 PM - 2:50 PM

The Future of Surgery is Non-Invasive Directed Energy *Dr. Richard Satava*

2:50 PM - 3:05 PM

The Future of Robotic Surgery is Digitally Informed Technology Enabled

*Brian Miller (Intuitive Surgical)*

3:05 PM - 3:20 PM

5G, 6G and XR: The Future of the Medical Metaverse *Dr. Mischa Dohler*

3:20 PM - 3:30 PM

### PANEL DISCUSSION

3:30 PM - 3:50 PM

BREAK to Visit Exhibit Hall

## SESSION II: Advanced Artificial Intelligence, Telepresence, Surgical Simulation, and Augmented Reality: Its Role in Surgical Education and Optimizing Outcomes

Moderators: *Dr. Andrew Hung, Dr. Todd Heniford and Tony Jarc (Intuitive Surgical)*

Panelists: *Anthony Fernando (Asensus), Dr. Nadine Haram (Proximie), Daniel Hawkins (Avail), Dr. Tamir Wolf (Theator), Brian Miller (Intuitive Surgical), Johnathan Chen (Microport), and Shan Jegatheeswaran (Johnson and Johnson)*

3:50 PM - 4:05 PM

### STATE OF THE ART LECTURE

Telesurgery: The Technical and Ethical Challenges that Need to be Overcome for Humanitarian Benefits

*Dr. Vipul Patel*

4:05 PM - 4:20 PM

Is Telesurgery a Reality Today: The Inherent Benefits and Limitations? *Dr. Jacques Marescaux*

4:20 PM - 4:35 PM

MicroPort Medbot: 5G Tele-surgery Application of Toumai Laparoscopic Surgical Robot

*Dr. Zhong Li*

4:35 PM - 4:50 PM

Performing Telesurgery 3000KM Between Surgeon and Patient: Ensuring Patient Safety and Preventing Telecommunication Issues

*Dr. Zhang Xu*

4:50 PM - 5:00 PM

### PANEL DISCUSSION

## SESSION III: Moderators: *Dr. Martin Martino and Dr. Ruban Thanigasalam*

Panelists: *Dr. Jay Redan, Dr. Sanket Singh Chauhan, Dr. Ray Leveillee, and Dr Rick Satava*

5:00 PM - 5:20 PM

Cyber Security in Surgery *Andrew Penn*

5:20 PM - 5:35 PM

Surgical Simulation: How It Will Enhance the Adoption of New Surgical Platforms

*Dr. Jeff Berkley*

5:35 PM - 5:50 PM

The Future of Pneumoperitoneum Management: How Low Can You Go?

*Scott Vickers (ConMed)*

5:50 PM - 5:55 PM

### PANEL DISCUSSION

## SESSION IV: Moderators: *TBD*

Panelists: *TBD*

5:55 PM - 6:10 PM

### KEYNOTE LECTURE

Moving Beyond Telepresence to Data Driven Insights

*Nadine Haram (Proximie)*

6:10 PM - 6:25 PM

### KEYNOTE LECTURE

The Digital Operating Room: A Vision for the Future

*Caitlin Clark (Stryker)*

6:25 PM - 6:35 PM

### PANEL DISCUSSION

6:35 PM

Adjourn

Agenda is subject to change.