

WEDNESDAY, JULY 26, 2023

Australian Eastern Standard Time (AEST)

7:15 AM - 7:30 AM

WELCOME Vipul Patel, MD, FACS, Anthony Costello, MD, FRACS, FRCSI(hon), MBBS, Zhang Kang, MD, and Anup Kumar, MS, MCh (Urology-AIIMS), DNB (Urology), MNAMS

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

Moderators: Andrew Hung, MD, Richard Satava, MD, and Ruban Thanigasalam, MBBS (London), MS (Sydney), RACS (Urology), Zhang Xu, MD

7:30 AM - 7:50 AM

STATE-OF-THE-ART LECTURE

The Future of Surgery: What Technologies will Enhance Change and Innovation
Frederic Moll, MD

7:50 AM - 8:10 AM

Advanced Image Guidance in Surgery
Jacques Marescaux, MD

8:10 AM - 8:30 AM

The Future of Surgery is Non-Invasive Directed Energy
Richard Satava, MD

8:30 AM - 8:45 AM

Digital Surgery, the Next Frontier
Prokar Dasgupta, FRCS(Urol), FEBU

8:45 AM - 9:00 AM

Advanced Teleconnectivity Will Revolutionize the How We Learn and Perform Surgery
Mischa Dohler, PhD

9:00 AM - 9:20 AM

PANEL DISCUSSION

9:20 AM - 9:40 AM

Break

SESSION II: Advanced Artificial Intelligence: Current and Future Applications

Moderators: Andrew Hung, MD, Sharona Ross, MD, FACS, and Ryochi Shiroki, MD, PhD

9:40 AM - 10:00 AM

STATE-OF-THE-ART LECTURE

How Artificial Intelligence Will Enhance Surgery
Andrew Hung, MD

10:00 AM - 10:15 AM

Artificial Intelligence, What Does it Mean for Surgeons and Industry

10:15 AM - 10:30 AM

Ethical Considerations of Artificial Intelligence
Justin Collins, MBChB, MD, FRCS

10:30 AM - 10:50 AM

PANEL DISCUSSION

SESSION III: Telepresence, Surgical Simulation and Augmented Reality: Its Role in Surgical Education and Optimizing Outcomes

Moderators: Andrew Hung, MD, Zhang Kang, MD, and Anup Kumar, MS, MCh (Urology-AIIMS), DNB (Urology), MNAMS

10:50 AM - 11:10 AM

STATE-OF-THE-ART LECTURE

Telepresence and Surgical Education

11:10 AM - 11:30 AM

Is Telesurgery a Reality Today: The Inherent Benefits and Limitations?
Jacques Marescaux, MD

11:30 AM - 11:45 AM

The Applications of Telepresence in Real Time Surgical Evaluation and Management

11:45 AM - 12:00 PM

Cyber Security in Surgery
Andrew Penn

12:00 PM - 12:15 PM

Surgical Simulation: How It will Enhance the Adoption of New Surgical Platforms
Jeff Berkley, PhD

12:15 PM - 12:30 PM

PANEL DISCUSSION