



Symposium I

Through the Looking Glass: What Does the Future Hold for Arthroplasty?

Moderator: Mark I. Froimson, MD, MBA

Faculty: Jonathan L. Schaffer, MD, MBA, Kenneth B. Trauner, MD, Brian S. Parsley, MD, Stefano A. Bini, MD, Mark I. Froimson, MD, MBA

Objectives:

1. To provide a working understanding of four major trends in digital health and technology that are likely to impact their practice over the next five years.
2. To introduce the breadth and depth of the technological revolution that is bringing health care into the 21st century.

Outline:

Telehealth

From Video Visits to Holograms, from Virtual ICUs to Patient Engagement Platforms: Tele-Orthopaedics is Going to Change Where and How We Deliver Care, Jonathan L. Schaffer, MD

3D Printing

From Printing Prosthetics to Bioscaffolds, from Printing Instruments to Living Tissue: What Can We Print Now That We Could Only Dream of Building Before? The 3D revolution is Here., Kenneth B. Trauner, MD

Robotics and Automation

From Robotic-Assisted Surgery to Humanoid Cyborgs: Providing Empathetic Care, from Neurally-Activated Prosthetics to Futuristic Exoskeletons: Was Huxley Right?, Brian S. Parsley, MD

Artificial Intelligence and Machine Learning

From Decision Support to Deep Neural Networks, from Predictive Analytics to Learning Algorithms: What Does Watson Have in Store for Us?, Stefano A. Bini, MD

Notes
