Day 1 – August 25th, 2017

8:00–8:30 AM  Registration and Breakfast
8:30–8:35 AM  Welcome and Introductions
               Saif Khalil, Ph.D.
8:40–9:20 AM  A Matter of Integrity
               Eugene J. Carragee, M.D.
9:25–10:05 AM Motion Preservation in the Anterior and Posterior Spine
               Hans-Joachim Wilke, Ph.D.
10:05–10:20 AM Coffee Break
10:25–11:05 AM Cervical Total Disc Arthroplasty: Celebration with Caution
               Kee D. Kim, M.D.
11:10–12:05 PM Clinical Spinal Deformity Research: From Inception to Global Standardization
               Keynote Speaker Lawrence G. Lenke, M.D.
12:05–1:05 PM  Lunch
1:05–2:30 PM  Infection and Surface Coatings of Orthopedic Implants
               1:05–1:25 PM  Surface treatments for Spinal Implants: A Biological Perspective – Christopher D. Chaput, M.D. (Moderator)
               1:30–1:40 PM  What are Biofilms? – Noreen J. Hickok, Ph.D.
               1:45–1:55 PM  Nano-architecture and Molecular Biomechanics – Ira Fedder, M.D.
               2:00–2:10 PM  Spine Implant Surface Technology: State of the Art/ Separating Fact from Fiction – Paul J. Slosar, M.D.
               2:10–2:30 PM  Discussion
2:30–3:25 PM  Case Presentations: Spinal Deformity
               2:30–2:40 PM  Case Presentation 1: Optimal Treatment of a 120° AIS Curve – Lawrence G. Lenke, M.D. (Moderator)
               2:45–2:55 PM  Case Presentation 2: Managing Thoracic Kyphosis in Type VIC Curve in Adolescent Idiopathic Scoliosis in Adults – Dilip K. Sengupta, M.D., Dr. Med.
               3:00–3:10 PM  Case Presentation 3: Selective Thoracolumbar Fusion for Severe Sagittal Imbalance in Adult Spinal Deformity with a Staged Circumferential Minimally Invasive Protocol – Neel Anand, M.D.
               3:10–3:25 PM  Discussion
3:25–3:40 PM  Coffee Break
3:40–4:45 PM  Debate – Is Spinal Cord Stimulation a Viable Therapy for Failed Back Surgery Syndrome (FBSS)?
               3:40–4:00 PM  Yes! Best Possible Treatment for FBSS – Jeffrey Arle, M.D., Ph.D., F.A.A.N.S.
               4:05–4:25 PM  No! Spine Surgery has a Proven Track Record – Neel Anand, M.D.
               4:25–4:45 PM  Discussion
Moderator Christopher Gilligan, M.D.
Panel Jason M. Highsmith, M.D., F.A.C.S.
          Seth M. Zeidman, M.D.
          Eugene J. Carragee, M.D.
          Dilip K. Sengupta, M.D., Dr. Med.
4:45–5:00 PM  Laboratory Demonstration
6:30 PM  Welcome Dinner
Day 2 - August 26th, 2017

7:00–7:30 AM  Breakfast

7:30–7:35 AM  Welcome and Introductions
Saif Khalil, Ph.D.

7:40–9:05 AM  Spinal Cord Stimulation: Concepts and Techniques
7:40–8:00 AM  Overview - Jason M. Highsmith, M.D., F.A.C.S.  (Moderator)
8:05–8:15 AM  Tonic, Burst, and High Frequency: Which One to Choose? - Christopher Gilligan, M.D.
8:20–8:30 AM  Spinal Cord Stimulation in the Surgeon’s Practice - Elias Veizi, M.D., Ph.D.
8:35–8:45 AM  Spinal Cord Stimulation for Treating Chronic Pain: Efficacy and Mechanism of Action - Seth M. Zeidman, M.D.
8:45–9:05 AM  Discussion

9:10–10:35 AM  Robotics in Spine Surgery
9:10–9:30 AM  History of Robotics in Medicine - Nicholas Theodore, M.D. (Moderator)
9:35–9:45 AM  Applications of Robotics - Srinivas K. Prasad, M.D., M.S.
9:50–10:00 AM  Complex Cases in Robotics - Rakesh D. Patel, M.D.
10:05–10:15 AM  The Future of Robotics - Vikas V. Patel, M.D., M.A., B.S.
10:15–10:35 AM  Discussion

10:35–10:50 AM  Coffee Break

10:55–11:35 AM  Cervical Deformity Correction
K. Daniel Riew, M.D.

11:40–12:35 PM  Case Presentations: Cervical Myelopathy
11:40–11:50 AM  Case Presentation 4: Cervical Laminoplasty - K. Daniel Riew, M.D. (Moderator)
11:55–12:05 PM  Case Presentation 5: Cervical Osteotomy - Kee D. Kim, M.D.
12:10–12:20 PM  Case Presentation 6: The Case for Stand Alone Zero Profile Devices - Ira Fedder, M.D.
12:20–12:35 PM  Discussion

12:35–12:50 PM  Closing Remarks and Meeting Adjourn

12:50–1:50 PM  Lunch

Thank you for attending!