8:00 am  Continental Breakfast - Stadium 5
8:30 am  Plenary Session – Stadium 1 & 2
Speaker: Joseph Francis, MD, MPH  
Director - Clinical Analytics & Chief Quality & Performance Office  
Veterns Healthcare Administration (VHA)
Presentation: “The Wisdoms and Follies of Managing by Numbers in Healthcare”

9:00 am  Concurrent Technical Sessions

Session 5
Stadium 1  Healthcare Medical Innovation I
Session Chair: Walker H. Land, Jr.  
Binghamton University, USA
373- Investigating the GINN Grade as a Method for Combining Multiple Predictive Models of Colon Cancer Recurrence From Gene Microarrays | Aaron J. Land, Jr.; Robert Congdon; Yingle Li; Omowunmi Sadik; Binghamton University, USA
374- Application to Disease Prediction | Erhan Guven; Anna Buczak

Session 6
Stadium 2  Intelligent Agents and Systems VIII
Session Chair: Corey Hart  
Lockheed Martin, USA
29- Variable Time Delays and Representational Capacity in Sparsely Connected Populations of Spiking Neurons | Corey Hart; Lockheed Martin, USA
29- Evolving Spine Neural Network Sensors to Characterize the Alcoholic Brain Using Visually Evoked Response Potential | Arash Roy; J. David Schaffer; Craig Laramee; State University of New York at Binghamton, USA

10:30 am  Concurrent Technical Sessions

Stadium 1  Healthcare Medical Innovation II
Session Chair: John A. Norris  
John A. Norris, Health Discovery Corp, USA
354- A Novel Application for Combining Casses and Datasets to Produce Increased Accuracy in Modeling and Predicting Cancer Recurrence | John Norris, Health Discovery Corp, USA; Erin Barnes, Olivia Schutz; Walker Land, Jr., Binghamton University, USA; Timothy Masters, TAMC, USA

Session 7  Distributed Education Systems
Session Chair: Jason Cadwallader  
Routledge HAMC
555- Self-Organizing Evolving Education | Joel Aries, Ohio-University, USA
556- Retraining STEM Education: An interdisciplinary STEM Curriculum | Margaret Maddon; Abhishek Bhardwaj; Heather Bouchaud; Benedict Kiley; Ryan Ladd; Jill Pearson; Gordon Plague; State University of New York at Potsdam, USA

11:00 am  Concurrent Technical Sessions

Stadium 1  Healthcare Medical Innovation III
Session Chair: John A. Norris  
John A. Norris, Health Discovery Corp, USA
357- Parallelization of a Bio-inspired Computational Model for the Simulation of 3-D Multimodal Tissue Growth | Belgacem Ben Youssef; Walker Land, Jr., Binghamton University, USA; Timothy Masters, TAMC, USA

Session 8  Complex Adaptive Systems
Session Chair: Walker H. Land, Jr.  
Healthcare Medical Innovation II
540- Biologically Inspired Olfactory Learning Architecture | George Georgiev; University of Wisconsin, USA; Patrick Hess; Ira Valois, Massachusetts General Hospital, USA; Natasha Gueorguieva, City University of New York, USA

12:00 noon  Luncheon Plenary – Stadium 5 & 4
Speaker: John A. Norris  
Chairman, Norris Capital, Inc.; and FDDH, Inc. and Senior US Advisor to Kanagawa, Japan, Governor Kuroiwa and GCC Chairman, Norris Capital, Inc., and FDDH, Inc. and Senior US Advisor to Kanagawa, Japan, Governor Kuroiwa and GCC
Presentation: “Advanced CAS and CAS-Like Tool” Use by Healthcare Regulatory Agencies, such as the US FDA, Especially While Reviewing and Approving Market Access to CAS and CAS-Like Products for Use in the Care of Humans”

1:30 pm  Concurrent Technical Sessions

Tutorial I
“Topics in Statistical Decision Theory: Does the Decision Mechanism Matter?”
Walker H. Land, Jr., Professor, Department of Biomedical Engineering, Binghamton University, USA

Tutorial II
Dr. Brian E. White  
Principal, Complexity Are Us, Systems Engineering Strategies (CASES), USA

Tutorial III
“Systems Engineering Risk Analysis”
Dr. Ariel Pinto  
Associate Professor  
Old Dominion University, USA